Bibliography *of* Biology *of the* Grand Canyon Region, ARIZONA

GROUPED BY HIGHER TAXA

WITH ANNOTATIONS

compiled by

Earle E. Spamer

COVER ILLUSTRATIONS

TOP LEFT: Kaibab Squirrel, *Sciurus kaibabensis* Merriam 1904
(National Park Service, Grand Canyon National Park)

TOP RIGHT: *Detail of* "Lagoon on the Kaibab," by Thomas Moran
(Clarence E. Dutton, Tertiary History of the Grand Cañon District*, U.S. Geological Survey Monograph 2, 1882, text, Plate XXVII)*

TOP INSET: California Condor, *Gymnogyps californianus* (Shaw 1797)
(Don Graham via Wikimedia Commons)

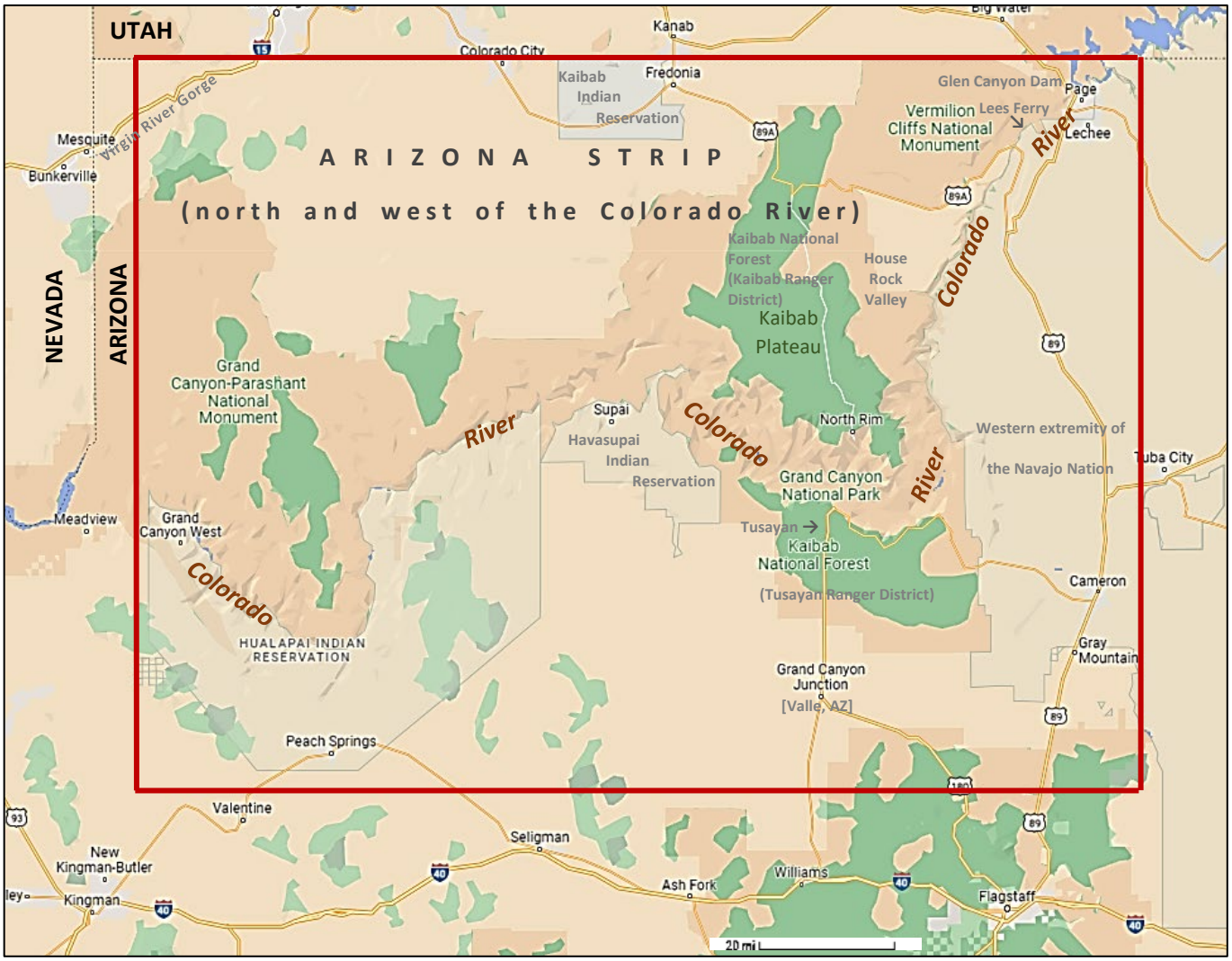
LEFT: Grand Canyon Rattlesnake, *Crotalus oreganus abyssus* (Klauber 1930)
(Fishopotamus via Wikimedia Commons)

RIGHT: Kanab Ambersnail, *Oxyloma haydeni kanabensis* Pilsbry 1948, at Vasey's Paradise
(U.S. Geological Survey via Wikimedia Commons)

BOTTOM: Humpback Chub, *Gila cypha* Miller 1946
(George Andrejko, Arizona Game and Fish Department) at
https://www.usgs.gov/media/images/endangered-humpback-chub-0

BIBLIOGRAPHY OF BIOLOGY OF THE GRAND CANYON REGION

MAP OF APPROXIMATE AREA OF COVERAGE*



Base map from Google, emended

* Except the chapter on Ichthyology, which embraces the Colorado River from Glen Canyon Dam to the Gulf of California, plus tributaries in the Grand Canyon and the lower reaches of the Virgin and Muddy Rivers (U.S.–Mexico: Arizona, Nevada, California, Baja California, Sonora).

Bibliography *of* Biology *of the* Grand Canyon Region

ARIZONA

GROUPED BY HIGHER TAXA — WITH ANNOTATIONS

1853–2025

compiled by Earle E. Spamer

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Spamer, Earle Edward (compiler) (1952–) [Spamer pronounced *spah*-mer]

Bibliography of biology of the Grand Canyon region, Arizona : grouped by higher taxa : with annotations : 1853-2025

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No new acts of systematics or taxonomy are published in this volume;
all acts noted are those of the original authors of the cited publications

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THE GRAND CANON

A WORLDWIDE BIBLIOGRAPHY OF THE
GRAND CANYON AND LOWER COLORADO RIVER REGIONS
IN THE UNITED STATES AND MEXICO

VOLUME 1, PART B : BIBLIOGRAPHY

CATALOGERS NOTE

canon : ***a standard or essential list of works***

The Grand Canon
not **The Grand Canyon**

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IN THE PDF DOCUMENT ALL LINES BELOW ARE HYPERLINKS TO THOSE SECTIONS

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(Glen Canyon Dam to the Río Colorado Delta, Grand Canyon Tributaries, and Lower Virgin and Muddy Rivers (U.S.–Mexico: Arizona, Nevada, California, Baja California, Sonora)

7 Botany 637

Colophon *inside back cover*

PREFACE

PUBLICATIONS CITED HEREIN are limited to reports and discussions that relate to organisms identified by taxa. For citations that pertain to broader ecological and environmental perspectives in this region, usually less absorbed on specific taxa, consult the much more comprehensive listings in Part 19 of THE GRAND CANON Volume 1/Part B (Bibliography) (the Fifth Edition, 2025, is current) and the publications listed on the next page.

Each chapter herein is modeled on a *separate taxonomically-focused bibliography* available from Raven's Perch Media. Each was the Third Edition (2025) of their respective titles, with the exception of that for protists (Second Edition, 2025). They are here consolidated, reformatted, and emended, now making all of the taxonomically-concentrated bibliographies available in one publication. A few citations from a Supplement to THE GRAND CANON Volume 1/Part B (currently in progress, 2025) have been added.

For publications that erected new taxa from the Grand Canyon or vicinity, refer also to the comprehensive *Bibliography and Annotated Checklist of Living Organisms First Named from the Grand Canyon and Vicinity*—cited on the next page—which contains more data and annotations, including information on typifications and identifications of type localities.

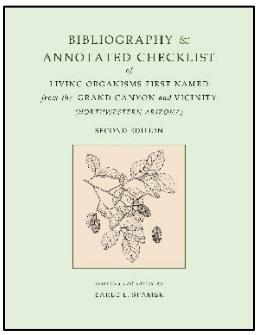
Taxonomic names in the present bibliography are as used in the cited publications. Some citations may be accompanied by notes relating to updated systematics, too. Taxonomic acts and revisions to the systematic position of taxa are those of the original authors as cited in the titles of publications or the annotations provided herein.

Throughout, references to "Indian Garden" or "Indian Gardens" pertain to what is now known as Havasupai Gardens, formally renamed in May 2023 to more greatly respect Indigenous cultures. The non-Indigenous name, inconsistently spelled, reflects historical perspectives of the publications and the long-term use of the previous name.

Every citation includes an Item Number; for example, 19.4217. The prefix "19." indicates that it is from Part 19 of the huge bibliography, THE GRAND CANON Volume 1/Part B. The section on Ichthyology is expanded to embrace the entire Lower Colorado River, from Glen Canyon Dam to the Gulf of California, thus it also includes citations from Part 11/Section 1 of THE GRAND CANON; for example, 11.8389. Item Numbers serve as serial numbers, uniquely identifying citations throughout THE GRAND CANON. Numbers are assigned as citations are acquired for the bibliography, thus they do not follow in order.

See the Raven's Perch Media website (https://ravensperch.org) for everything pertaining to the complete Grand Canyon–Lower Colorado River bibliography and other publications.

ALSO CONSULT THE FOLLOWING SEPARATE BIBLIOGRAPHICAL PRODUCTIONS FROM RAVEN'S PERCH MEDIA



Bibliography and Annotated Checklist of Living Organisms First Named from the Grand Canyon and Vicinity (Northwestern Arizona)
[2nd Edition: 2024]

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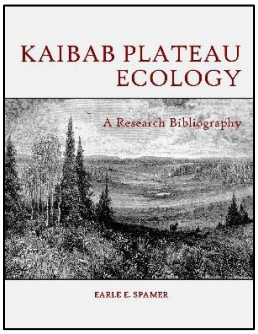

Kaibab Plateau Ecology
An Inclusive Research Bibliography with Annotations (1893–2024) : Grand Canyon National Park (North Rim) and Kaibab National Forest (North Kaibab Ranger District), Arizona. **Plus: A Chronological–Historical Bibliography of Bioecology and Conservation of Kaibab Deer** [2024]

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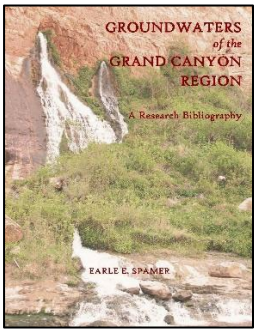

Groundwaters of the Grand Canyon Region, Arizona
A Research Bibliography of Groundwater Hydrology and the Record of Environmental Issues, Legislative Oversight, and Native American Cultural Concerns of Groundwater Use: with annotations: 1880–2024. **Plus: A Bibliography of Grand Canyon Springs Ecology** [2024]

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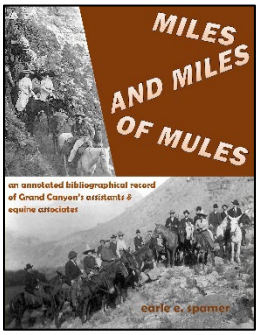

Miles and Miles of Mules
An Annotated Bibliographical Record of Grand Canyon's Assistants and Equine Associates [2024]

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I

PROTISTS

AND OTHER MICROORGANISMS

of the

GRAND CANYON REGION

BIBLIOGRAPHY OF PROTISTS AND OTHER MICROORGANISMS OF THE GRAND CANYON REGION

The publications listed in the Bibliography of Protists and Other Microorganisms are specifically about taxa in the Kingdom Protista (protists), to which for convenience are added "unconventional" taxa such as those of the Kingdom Chromista (photosynthetic eucaryotes), or topics that address them at least within the geographical scope of THE GRAND CANON.

A

Aescht, Erna

2008 19.6326 Annotated catalogue of "type material" of ciliates (Ciliophora) and some further protists at the Upper Austrian Museum in Linz, including a guideline for "typification" of species. *Denisia* (Oberösterreichischen Landesmuseums, Biologiezentrum, Linz), 23: 125-234.

► See section 3.2, "Further protists", including listing (p. 187) for *Spironema terricola* Foissner and Foissner, from entrance to Bright Angel Trail, Grand Canyon.

Atkinson, T. Prescott

1975 19.6543 Soil microorganisms of the Grand Canyon. *Bios* (Beta Beta Beta Biological Society), 46(3) (October): 127-133.

► Protozoa, bacteria, actinomycetes, fungi, algae, flagellates, naked amoebae, ciliates, testacea. "Collections were made, 19-28 May 1973, during a raft journey of the Colorado River between Lee's Ferry and Lake Meade" (*sic*).

B

Bamforth, Stuart S.

2004 19.2507 Water film fauna of micromiotic crusts of a warm desert. *Journal of Arid Environments*, 56(3) (February): 413-423.

► Abstract: "Twenty-eight microbiotic crusts containing cyanobacteria, lichens and bryophytes, collected from desert soils of the Grand Canyon in northern Arizona, between Lees Ferry and Whitmore Wash in May 2000, were examined for water film fauna. Fifty-one species of ciliates, 28 of amoebae, 17 of testacea, four metazoan taxa, and a number of flagellate morphotypes were found. In the non-flagellated protozoan groups, r-selected bactivores, responding rapidly to wetting, quickly exploiting resources, and possessing efficient encysting abilities, predominated. The few nematodes were principally stylet-bearing tylenchids, feeding on fungal hyphae and moss rhizoids."

Banerjee, M., AND Sharma, D.

2004 19.6979 Regulation of phosphatase activity in Chroococcidiopsis isolates from two diverse habitats: effect of light, pH and temperature. *Applied Ecology and Environmental Research* (Budapest), 2(1): 71-82.

► Text summarizes *(typographically precise)*: "Axenic cultures of the endolithic cyanobacterium Chroococcidiopsis the only phototroph present in the rocks of both Antarctic (from Barwick boulder) and Arizona, USA were isolated from the rocks (Courtesy Late Dr. D.D. Wynn Williams and Charles Cockles of British Antarctic Survey and Dr .Bukhard Büdel, Universitat Kaiserlautern, Germany) in the laboratory of Algal Biotechnology, Bioscience Department ,Barkatullah University Bhopal by standard microbiological techniques. The Antarctic sample came from Beacon sandstone boulder in the Linneaus Terrace (McMurdo Dry valley) on the NNE flank of the Apocalypse peak. The hot desert sample came from a sandstone endolith from Arizona Coconino, 20 Km from the Grand Canyon National Park USA." [No further geographical precision.]

F

Foissner, Ilse, AND Foissner, Wilhelm

1992 19.6325 The fine structure of two new hemimastigophoran flagellates related to *Spironema multiciliatum* Klebs, 1893 [ABSTRACT]. *European Journal of Protistology*, 28(3) (August 21): 340.

► Includes material described from "Grand Canyon area (USA)". See Foissner and Foissner (1993, ITEM NO. 19.5211).

1993 19.5211 Revision of the family Spironemidae Doflein (Protista, Hemimastigophora), with description of two new species, *Spironema terricola* n. sp. and *Stereonema geiseri* n. g., n. sp. *Journal of Eukaryotic Microbiology*, 40(4): 422-438.

► Flagellates, Phylum Hemimastigophora Foissner, Blatterer and Foissner, 1988. See pp. 424-429, *Spironema terricola*, new species, type from "Soil from the Grand Canyon, USA (upper entrance to Bright Angel Trail)".

Foissner, Wilhelm

1994 19.6330 Die Urtiere (Protozoen) des Bodens. *Kataloge des Oberösterreichischen Landesmuseums* (Linz), New Series, 71: 169-218. [In German.]

► See in section 5.2, "Geißeltiere (Flagellaten)", notes of *Spironema terricola* from Grand Canyon (p. 181; Figures 64-47 [p. 182]).

L

Levine, Norman D., AND Ivens, Virginia

1965 19.6131 The coccidian parasites (Protozoa, Sporozoa) of rodents. *Illinois Biological Monographs* (University of Illinois), (33), 365 pp. [pagination includes Plates 1-48].

► For species gathered from specimens taken at Grand Canyon, see pp. 24-25, 38-41, 43, 48-49, 57-61, 65, 67-69, 165-166; Plates 3, 6-8, 11, 13, 32.

Levine, Norman D.; Ivens, Virginia; AND Kruidenier, Francis J.

1957 19.5184 New species of *Eimeria* from Arizona rodents. *Journal of Protozoology*, 4(2) (May): 80-88.

► Eleven new species of intestinal parasites from rodents in Grand Canyon National Park and vicinity.

1957 19.5225 *Isopora citelli* n. sp. from the rock squirrel, *Citellus variegatus utah*. *Journal of Protozoology*, 4(3) (August): 143-144.

► New species of intestinal parasite. "The host rock squirrel was trapped by Dr. Hoffmeister on August 9, 1954 one-half mile from Swamp Point, near Powell Saddle, on the north rim of Grand Canyon at an elevation of 7500 feet."

Lewis, Patrick; Northup, Diana E.; Winter, Ara S.; McIntyre, Eathan; AND Fox, Jennifer

2017 19.5827 Assessing microbial diversity of the Grand Canyon Parashant National Monument caves [ABSTRACT]. *In:* Seiser, Patricia E. (ed.), *NSS Convention, June 19-23, Rio Rancho, NM : Red or Green 2017*, p. 53. [National Speleological Society.]

M

Margulis, Lynn, AND Chapman, Michael J.

2009 19.6258 *Kingdoms and domains : an illustrated guide to the phyla of life on earth.* Amsterdam and London: Academic Press, 4th ed., lxxii, 659 pp.

► Under Superkingdom Prokarya, Kingdom Protoctista, Subkingdom (Division) Amitrochondria, Pr-13 Hemimastigota, see p. 164, illustration and note, *in passing*, of "*Spironema terricola* . . . found as yet only in soil from the Grand Canyon, USA." This refers to the species named by Foissner and Foissner (1993, ITEM NO. 19.5211).

McIntyre, Eathan

2013 19.4219 Grand Canyon-Parashant NM. *Inside Earth* (U.S. National Park Service, Cave and Karst Programs), 16(1): 10-11.

► Studies begin on cave-adapted microbes, Grand Canyon-Parashant National Monument.

S

Sommerfeld, Milton R.; Crayton, Wayne M.; AND Crane, Nancy L.

1976 19.1518 *Survey of bacteria, phytoplankton and trace chemistry of the lower Colorado River and tributaries in the Grand Canyon National Park.* Tempe, Arizona: Arizona State University, *Colorado River Research Program, Technical Report 12* (Grand Canyon National Park, Colorado River Research Series, Contribution 40), 136 pp. (National Technical Information Service PB 267731/AS.)

2

INVERTEBRATES

of the

GRAND CANYON REGION

(EXCEPT INSECTS AND OTHER ARTHROPODS)

BIBLIOGRAPHY OF INVERTEBRATES OF THE GRAND CANYON REGION

(EXCEPT INSECTS AND OTHER ARTHROPODS)

This Bibliography of Invertebrates is topically a matter of convenience, applying its breadth of coverage to all invertebrate organisms other than the large taxonomic groups of insects and other arthropods. It also includes some non-protist organisms of "peculiar" or "miscellaneous" phyla; for example, nematodes (Phylum Nematoda).

For **entomological invertebrates**, including arachnids andother arthropods, see the separate "Bibibliography of Entomology of the Grand Canyon Region".

ANONYMOUS

1906 19.5 [Untitled note.] *The Nautilus* (Philadelphia), 20(7) (November): 84.

► "The Senior Editor of The Nautilus, in company with Mr. Jas. H. Ferriss, is on a collecting trip in Arizona. He expects to be absent about six weeks." (ENTIRE NOTE) This was Henry A. Pilsbry and James H. Ferriss's trip that included the Grand Canyon region (see Pilsbry and Ferriss, 1911, ITEM NO. 19.1336). Malacology.

1909 19.6 [Untitled note.] *The Nautilus* (Philadelphia), 23(6) (November): 84.

► Entire note reads: "Messrs. Ferriss and Daniels are exploring the Kaibab and Kanab plateaus for shells and ferns. In this little-known country north of the Grand Canyon of the Colorado, they report beautiful scenery, a superb climate, and plenty of shells." See Pilsbry and Ferriss, 1911, ITEM NO. 19.1336; and for a related article see also Ferriss, 1910, ITEM NO. 19.600.

[Also see historical articles relating to the Pilsbry-Ferriss trip by Spamer, 2015, ITEM NO. 2.22222; and the Ferriss-Daniels trip by Orr, 1910, ITEM NO. 2.7280, and Spamer, 2016, ITEM NO. 2.24105 (these are in THE GRAND CANON Volume 1/Part B).]

1918 19.4117 List of accessions to the collections during the fiscal year 1916-1917. *In: Report on the progress and condition of the United States National Museum for the year ending June 30, 1917.* Washington, D.C.: U.S. Government Printing Office, pp. 99-142.

► See p. 99: ". . . 33 mollusks collected at the base of 'Gray Sandstone' on Bright Angel Trail, Grand Canyon, Ariz., by Mr. E. A. Goldman (60307); 5 land shells from

Grand Canyon and 20 specimens of plants from Arizona, collected by Mr. Goldman (61095) . . . ."

1994 19.108 [Notice of comments due on Kanab ambersnail.] *In:* Recent ESA actions. *Ecology USA*, 23(20) (October 3): 198.

2002 19.2974 Arizona. *In:* State Update [SECTION]. *Nuisance Notes* (U.S. Fish and Wildlife Service), (Spring) (Western Regional Panel Update, 13): [1].

► New Zealand mud snails at Lees Ferry.

2002 19.2360 Invasive snail species detected at Lees Ferry in Glen Canyon National Recreation Area. *WAPMS News* (Western Aquatic Plant Management Society), (Summer/Fall):.

2018 19.5881 Champions of nature. *Bloom Magazine* (Bloomington, Indiana), (April/May): 109.

► See "Vicky Meretsky", briefly noting her work (in Grand Canyon) on the California condor, humpback chub, and Kanab ambersnail.]

2019 19.6229 Zebra and quagga mussels are invasive species that can be destructive to an ecosystem due to competition for resources with native species. *In: The Lake Powell USA visitors guide : Page/Lake Powell and Grand Circle guide to recreation.* Page, Arizona: Lake Powell Communications, p. 45.

► Focus is on Lake Powell but notes Lees Ferry and Colorado River below Glen Canyon Dam. Page 44 is a display notice, "Don't Move a Mussel!"

A

Abernethy, Erin F.; Muehlbauer, Jeffrey D.; Kennedy, Thodore A.; Tonkin, Jonathan D.; Van Driesche, Richard; AND Lytle, David A.

2021 19.6634 Hydropeaking intensity and dam proximity limit aquatic invertebrate diversity in the Colorado River Basin. *Ecosphere*, 12(6): Article e03559, 12 pp. + Supporting Information online (Tables S-S5, 5 pp.), http://onlinelibrary.wiley.com/doi/10.1002/ecs2.3559/full.

Adams, Charles Frederick

1903 19.4332 Dipterological contributions. *Kansas University, Science Bulletin*, [series 2], 2(2) (June): 21-47.

► See under Chironomidae, *Ceratopogon dimidiatus*, new species, p. 27; based on "Four specimens; Grand Canon, Arizona" (no further details on locality). Master's thesis, University of Kansas.

Allen, C. R.

2015 19.4843 Quagga mussel containment at Glen Canyon National Recreation Area [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 2.

▶ Includes Colorado River below Glen Canyon Dam.

Arizona Game and Fish Department

1998 19.2176 *Draft Environmental Assessment: Establishment of a new wild population of Kanab ambersnail in Grand Canyon.* [Phoenix]: Arizona Game and Fish Department, *for* National Park Service, Grand Canyon National Park, 47 pp. (Prepared by Jeff A. Sorensen, Dennis M. Kubly, and W. Michael Mallett.)

1998 19.2244 *Biological Evaluation: Establishment of new populations of Kanab ambersnail in Grand Canyon (Coconino County, Arizona).* [Phoenix]: Arizona Game and Fish Department, *for* Grand Canyon National Park, 25 pp.

Arroyo, Bryan

2000 19.2326 Endangered and Threatened Species permit applications. *Federal Register*, 65(91) (May 10): 30126-30127.

▶ Kanab ambersnail.

B

Bailard, Jennifer L., AND Moret, Geoffrey J. M.

2017 19.6690 Mojave Desert Network selected large springs : Tassi Spring benthic macroinvertebrate and springsnail data 2012 to 2016. Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 13 pp. (*U.S. National Park Service, Natural Resource Data Series, NPS/MOJN/NRDS—2017/1119*.)

▶ Grand Canyon-Parashant National Monument.

Baker, Frank C.

1914 19.207 Northern Idaho shells. *The Nautilus* (Philadelphia), 27(9) (January): 104-106.

▶ Collecting at Grand Canyon, Arizona, noted *in passing*.

Bamforth, Stuart S.

2004 19.2507 Water film fauna of micromiotic crusts of a warm desert. *Journal of Arid Environments*, 56(3): 413-423.

► Abstract: "Twenty-eight microbiotic crusts containing cyanobacteria, lichens and bryophytes, collected from desert soils of the Grand Canyon in northern Arizona, between Lees Ferry and Whitmore Wash in May 2000, were examined for water film fauna. Fifty-one species of ciliates, 28 of amoebae, 17 of testacea, four metazoan taxa, and a number of flagellate morphotypes were found. In the non-flagellated protozoan groups, r-selected bactivores, responding rapidly to wetting, quickly exploiting resources, and possessing efficient encysting abilities, predominated. The few nematodes were principally stylet-bearing tylenchids, feeding on fungal hyphae and moss rhizoids."

Bartsch, Paul

1905 19.219 Notes on the genus *Sonorella*, with descriptions of new species. *Smithsonian Miscellaneous Collections*, 47: 187-200.

► See *Sonorella coloradoënsis* (Stearns), pp. 189-190, Plate 32, figure 3. *Sonorella coloradoensis*; Mollusca.

Benson, Amy J., AND Williams, James D.

2021 19.6577 Review of the invasive Asian clam *Corbicula* spp. (Bivalvia: Cyrenidae) distribution in North America, 1924-2019. *U.S. Geological Survey, Scientific Investigations Report 2021-5001*, 66 pp.

► See Arizona (p. 18).

Bequaert, Joseph C., AND Miller, Walter B.

1973 19.251 *The mollusks of the arid Southwest : with an Arizona check list.* Tucson: University of Arizona Press, 271 pp.

Bernstein, Yael A.; Yard, Michael D.; AND Coggins, Lewis G.

2005 19.2546 Physical factors that influence spatio/temporal differences in benthic invertebrate availability near the Little Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 41.

Blanchard, Bruce

1992 19.271 Endangered and Threatened wildlife and plants; correction to Final Rule listing the Kanab ambersnail as endangered. *Federal Register*, 57(187) (September 25): 44340.

► Correction to England (1992, ITEM NO. 19.593).

Brouder, Mark J., AND Hoffnagle, Timothy L.

1996 19.6074 Distribution and prevalence of the Asian tapeworm, *bothriocephalus acheilognathi*, in the Colorado River and its tributaries, Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 25. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

1997 19.2088 Distribution and prevalence of the Asian fish tapeworm, *Bothriocephalus acheilognathi*, in the Colorado River and tributaries, Grand Canyon, Arizona, including two new host records. *Helminthological Society of Washington, Journal* (Washington, D.C.), 64: 219-226.

Brouder, Mark J.; Speas, David W.; AND Hoffnagle, Timothy L.

1999 19.4827 Changes in number, sediment composition, and benthic invertebrates of backwaters. *In:* Webb, Robert H., Schmidt, John C., Marzolf, G. Richard, and Valdez, Richard A. (eds.), *The controlled flood in Grand Canyon.* Washington, D.C.: American Geophysical Union, pp. 241-248. (*American Geophysical Union, Geophysical Monograph 110.*)

C

Choudhury, Anindo; Hoffnagle, Timothy L.; AND Cole, Rebecca A.

2004 19.2518 Parasites of native and nonnative fishes of the Little Colorado River, Grand Canyon, Arizona. *Journal of Parasitology*, 90(5) (October): 1042-1053.

Clarke, Arthur H., AND Hovingh, Peter

1994 19.442 Studies on the status of endangerment of terrestrial mollusks in Utah. *Malacology Data Net* (Ecosearch Series), 3(5/6): 101-138.

► See p. 135.

Clarkson, Robert W.

1993 19.443 Foods of young-of-year native fishes in the Little Colorado River, Arizona, and infestation patterns by Asian fish tapeworm, *Bothriocephalus acheilognathi* [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 27. [In English and Spanish.]

Clarkson, Robert W.; Robinson, Anthony T.; AND Hoffnagle, Timothy L.

1996 19.445 Asian tapeworm (*Bothriocephalus acheilognathi*) in native fishes from the Little Colorado River, Grand Canyon, Arizona. *Great Basin Naturalist*, 57(1): 66-69.

Cockerell, T. D. A. [Cockerell, Theodore Dru Alison]

1927 19.450 A large form of *Oreohelix yavapai* in the Grand Canyon. *The Nautilus* (Philadelphia), 40(3): 101.

► Mollusk.

Cole, Rebecca A.

2002 19.2843 What are parasitologists doing in the United States Geological Survey? *Comparative Parasitology*, 69(2)132-134.

2004 19.3062 Endangered fish threatened by Asian fish tapeworm; the Asian fish tapeworm may inhibit the recovery of the humpback chub in the Grand Canyon. *U.S. Geological Survey, Fact Sheet 2005-3057*, 1 p.

2005 19.3161 Exotic tapeworm found in endangered desert fishes. *Fisheries and Aquatics Bulletin* (U.S. Geological Survey), 4(1): 2-3.

Cox, Daniel; Lutz, Clayton; AND Nelson, Clay

2005 19.2548 Beach habitat building and status of the endangered Kanab ambersnail [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 73.

Cross, Wyatt F.; Rosi-Marshall, Emma J.; Behn, Kathrine E.; Kennedy, Theodore A.; Hall, Robert O., Jr.; Fuller, A. Elizabeth; AND Baxter, Colden V.

2010 19.3025 Invasion and production of New Zealand mud snails in the Colorado River, Glen Canyon. *Biological Invasions*, 12(9): 3033-3043.

► Downstream from Glen Canyon Dam.

Croteau, M.-N.; Cain, D. J.; Campbell, K. M.; AND Fuller, C. C.

2019 19.6276 Uranium bioaccumulation in aquatic invertebrates: A comparative study in spring outflows in the Grand Canyon National Park [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 29-30.

Croteau, M.-N.; Fuller, C. C.; AND Cain, D. L.

2015 19.4847 Bioavailability of uranium to aquatic invertebrates: how modeling can help to understand U bioaccumulation [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 21.

► Grand Canyon springs and streams.

2017 19.5837 Understanding the biogeochemical controls of U bioavailability in a model aquatic invertebrate species: how can modeling assist ecological risk assessments of uranium mining and ore processing[?] [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 43.

► Model organism freshwater snail *Lymnaea stagnalis*. Studies based on exposure to benthic diatoms "collected near active breccia pipe U mine sites situated within the Grand Canyon withdrawal area."

Culver, Melanie; Herrmann, Hans-Werner; Miller, Mark; Roth, Barry; AND Sorenson, Jeff

2013 19.4086 Anatomical and genetic variation of western *Oxyloma* (Pulmonata: Succineidae) concerning the endangered Kanab ambersnail (*Oxyloma haydeni kanabense*) in Arizona and Utah. *U.S. Geological Survey, Scientific Investigations Report 2013-5164*, 65 pp. + Appendices A-C [65 pp.] available online.

► Appendix A, "Genbank Accession Numbers", 6 pp.; Appendix B, "DNA Sequences for Random Ambersnail Nuclear Clone 356", 12 pp.; Appendix C, "DNA Sequences for Ribosomal First and Second Internal Transcribed Spacer", 47 pp. (Report and appendices accessible at: http://pubs.usgs.gov/sir/2013/5164; the links contained on p. 65 of the report are invalid.)

D

Daniels, L. E. [Daniels, Lorenzo E.]

1911 19.536 Notes on *Oreohelix*. *The Nautilus* (Philadelphia), 25(2): 18-19.

► Land snails.

1912 19.537 Abnormal shells. *The Nautilus* (Philadelphia), 26(4): 38-42.

► Land snails.

Demlong, Mike

1998 19.2092 S.O.S.; save our snails. *In:* Conservation Conversations [SECTION]. *Phoenix Zoo Quarterly Newsletter*, (Summer):.

► Kanab ambersnail.

1999 19.2361 Beyond captive propagation. *Endangered Species Bulletin*, 24(3) (May/June): 22-24.

Dillon, Timothy J., AND Metcalf, Artie L.

1997 19.4946 Altitudinal distribution of land snails in some montane canyons in New Mexico. *In:* Metcalf, Artie L., and Smartt, Richard A. (eds.), Land snails of New Mexico. *New Mexico Museum of Natural History and Science, Bulletin 10*, pp. 109-145.

► See p. 119, regarding altitudinally dispersed gatherings of species outside usual zones of occurrence: "A similar situation was noted in a distributional study of land snails of the Grand Canyon area, Arizona, by Spamer and Bogan (1993) [ITEM NO. 19.1524]. They observed (p. 21) that 'specialized riparian communities' at lower elevations were inhabited by species 'normally found in higher Life Zones.'"

E

Elwell, Leah

2015 19.4653 One more level of protection—clean, drain and dry. *Boatman's Quarterly Review*, 28(1) (Winter 2014-2015 [*sic*, Spring 2015]): 7-9.

► Remedial efforts to prevent transfer of invasive quagga mussels.

England, John L.

1992 19.593 Endangered and threatened wildlife and plants; Final Rule to list the Kanab ambersnail as endangered. *Federal Register*, 57(75) (April 17): 13657-13661.

► See also correction by Blanchard (1992, ITEM NO. 19.271).

1995 19.2241 *Kanab ambersnail (*Oxyloma haydeni kanabensis*) recovery plan.* U.S. Fish and Wildlife Service, Region 6/Region 2, 21 pp.

England, John L., AND Chu, Nancy

1991 19.2415 Endangered and threatened wildlife and plants; emergency rule to list the Kanab ambersnail as endangered. *Federal Register*, 56 (August 8): 37668-.

F

Ferriss, James H.

1910 19.600 A collecting excursion north of the Grand Canyon of the Colorado. *The Nautilus* (Philadelphia), 23(9): 109-112.

► Mollusks. Excerpts from a letter to Henry A. Pilsbry, with an unsigned introductory paragraph by Pilsbry.

1915 19.601 Our New Mexican expedition of 1914. *The Nautilus* (Philadelphia), 28(10): 109-113.

► Grand Canyon, see p. 111.

1917 19.5571 A shell hunt in the Black Range, with description of a new Oreohelix. *The Nautilus* (Philadelphia), 30(9) (January): 99-103.

► Regarding malacological field work in New Mexico; but see remark on p. 102, pertaining to a locale on "Mineral Creek, five miles above Chloride": "We ate our lunch at a maiden-hair spring, picking shells and water cress during the process. The fern (*Adiantum capillusveneris*) had pinnae an inch wide, a form that has been wrongfully catalogued from the Grand Canyon of Arizona as *A. tenerum*, the Florida species." (ENTIRE NOTE)

1918 19.602 Camping in the sierras and the desert. *The Nautilus* (Philadelphia), 22(1) (July): 3-9, Plate 1 [frontispiece].

► Grand Canyon, see pp. 3, 8-9.

1920 19.603 The Navajo Nation. *The Nautilus* (Philadelphia), 33(4): 109-111, 34(1) (July): 1-13, frontispiece.

► Mollusks.

1976 19.604 The Navajo Nation. *In:* Abbott, R. Tucker (ed.), *The best of The Nautilus : a bicentennial anthology of American conchology.* Greenville, Delaware: American Malacologists, pp. 106-118.

► Text of 1920 paper (ITEM NO. 19.603), reset and headed erroneously with the masthead just for *Nautilus* issue 34(1), and without the frontispiece photo of Navajo Mountain that accompanied 34(1). Mollusks.

H

Hamburg, Stacey

2008 19.6101 Invaders of the Colorado! *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 44(3) (May/June): 6.

► Invasive plants and quagga mussel.

Hand, Edwin E.

1922 19.710 Sonorellas and scenery. *The Nautilus* (Philadelphia), 35(4): 123-129.

► Land snails.

Hansen, S. P.; Choudhury, A.; Heisey, D. M.; Ahumada, J. A.; Hoffnagle, T. L.; AND Cole, R. A.

2006 19.3162 Experimental infection of the endangered bonytail chub (*Gila elegans*) with the Asian fish tapeworm (*Bothriocephalus acheilognathi*): impacts on survival, growth, and condition. *Canadian Journal of Zoology*, 84(10): 1383-1394.

► Potential impacts of infections of humpback chub in Colorado River, Grand Canyon, studied with experiments on the closely related bonytail chub.

Henderson, Junius

1914 19.749 A new *Sonorella* from the Grand Canyon, Arizona. *The Nautilus* (Philadelphia), 27(11) (March): 122-124.

► Apparently erroneous. See Pilsbry (1939, *Academy of Natural Sciences of Philadelphia, Monograph 3*, Volume 1, Part 1, pp. 172, 174 [ITEM NO. 19.1328] for revised remarks on identity and locality.

Hershler, Robert [Herschler, Bob]

2000 19.2362 Using snails as a tool for elucidating paleodrainage. *No Bones Newsletter* (Department of Invertebrate Zoology, National Museum of Natural History, Smithsonian Institution), 14(6) (November/December): 1-2.

Hershler, Robert, AND Landye, J. Jerry

1988 19.2145 Arizona Hydrobiidae (Prosobranchia: Rissoacea). *Smithsonian Contributions to Zoology*, (459), 63 pp.

Hershler, Robert; Liu, Hsiu-Ping; AND Mulvey, M.

1999 19.2279 Phylogenetic relationships within the aquatic snail genus *Tryonia*: implications for biogeography of the North American Southwest. *Molecular Phylogenetics and Evolution*, 13(2) (November): 377-391.

Hershler, Robert; Liu, Hsiu-Ping; AND Stevens, Lawrence E.

2016 19.5617 A new springsnail (Hydrobiidae: *Pyrgulopsis*) from the lower Colorado River basin, northwestern Arizona. *Western North American Naturalist*, 76(1): 72-81.

► *Pyrgulopsis hualapaiensis*, new species; types from Upper Peach Springs, Hualapai Indian Reservation, Mohave County, Arizona.]

Hoffnagle, Timothy L., AND Cole, R. A.

1999 19.5126 Distribution and prevalence of *Lernea* [*sic*] *cyprinacea* in fishes of the Colorado River and tributaries in Grand Canyon, Arizona [ABSTRACT]. Distribución y prevalancia de *Lernea* [*sic*] *cyprinacea* en peces del Río Colorado y sus tributarios en el Gran Cañon, Arizona [RESUMEN]. *In:* Hendrickson, Dean A., and Garett, Gary P. (eds.), Desert Fishes Council, 1997 Annual Symposium, 20-23 November, Death Valley National Park, California. *Desert Fishes Council, Proceedings*, 29: 24. [In English and Spanish.]

► *Lernaea cyprinacea*, spelled correctly in text.

Hoffnagle, Timothy L., AND Landye, Jerry

1999 19.2100 Summary of fish health and parasitology studies. *In:* Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 27-30.

Hoffnagle, Timothy L.; Choudhury, A.; AND Cole, R. A.

2006 19.3026 Parasitism and body condition in humpback chub from the Colorado and Little Colorado Rivers, Grand Canyon, Arizona. *Journal of Aquatic Animal Health*, 18: 184-193.

Hoffnagle, Timothy L.; Choudhury, A.; Cole, R. A.; AND Hayden, K.

2000 19.3339 A prelminary examination of the parasites of fishes of the lower Little Colorado River, Arizona. Observaciones preliminares sobre los parásitos de peces del bajo Río Colorado Pequeño, Arizona [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 38-39. [In English and Spanish.]

Hoffnagle, Timothy L.; Cole, R. A.; AND Choudhury, A.

2000 19.2101 *Parasites of native and non-native fishes of the lower Little Colorado River, Arizona. 2000 annual report submitted to Navajo Fish and Wildlife Branch, Window Rock, Arizona, Grand Canyon National Park, U.S. Park Service, Grand Canyon, Arizona, and U.S. Fish and Wildlife Service, Albuquerque, New Mexico.* Phoenix: Arizona Game and Fish Department, and Madison, Wisconsin: U.S. Geological Survey, National Wildlife Health Center.

Hofmeister, Erik; Georgousi, Fiona; Lund, Melissa; Roderick, Constance; Choudhury, Anindo; Whelan, Gary; AND Cole, Rebecca

2021 19.6687 Loop-mediated isothermal amplification (Lamp) assay for detection of Asian fish tapeworm, *Schyzocotyle acheilognathi* (Yamaguti, 1934) [syn. *Bothriocephalus acheilognthi*]. *Journal of Parasitology*, 107(6) (November 3): 846-852. [Square brackets are part of title.

► Includes humpback chub (*Gila cypha*) in Colorado River, Grand Canyon.

Hueftle, Susan J.

2005 19.2555 Plankton dynamics and patterns in Lake Powell and the tailwaters, 1993-2003 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 79.

K

Kanab Ambersnail Interagency Monitoring Group

1997 19.850 *The impacts of an experimental flood from Glen Canyon Dam on the endangered Kanab ambersnail at Vaseys Paradise, Grand Canyon, Arizona: Final report.* Report submitted to Grand Canyon Monitoring and Research Center, Flagstaff, 43 pp.

Kanab Ambersnail Interagency Monitoring Team

1998 19.2230 *The endangered Kanab ambersnail at Vaseys Paradise, Grand Canyon, Arizona: 1997 final report.* Prepared for Grand Canyon Monitoring and Research Center, Flagstaff, 33 pp.

Kapoor, Maya L.

2017 19.5530 Flirting with extinction. In the spirit of summer love, *High Country News* imagines online dating from the perspective of some of the West's rarest species. *High Country News*, 49(13) (August 7): 27.

▶ Includes Kanab ambersnail in Grand Canyon.

Keep, Josiah

1904 19.3220 *West American shells : a description in familiar terms of the principal marine, fresh water and land mollusks of the United States found west of the Rocky Mountains, including those of British Columbia and Alaska.* San Francisco: Whitaker and Ray Co., 360 pp.

▶ See p. 132, *Epiphragmophora coloradoensis* Stearns.

Kelly, Holly A. *see* **Wellard Kelly, Holly A.**

Kennedy, Theodore A. [Kennedy, Ted]

2007 19.2662 A *Dreissena* risk assessment for the Colorado River ecosystem. *U.S. Geological Survey, Open-File Report 2007-1085*, 17 pp.

▶ Area of concern is Glen Canyon Dam to Diamond Creek, including tributaries.

Kloeppel, Heidi M.; Shannon, Joseph P.; AND Benenati, E.

2003 19.2421 Distribution and trophic interaction of the invasive New Zealand Mudsnail in the Colorado River through Grand Canyon [ABSTRACT]. *North American Benthological Society, Annual Meeting, Athens, Georgia, 2003.*

Kruidenier, Francis J., AND Mehra, Krishna N.

1958 19.5223 *Wellcomia perognathi* n. sp. (Nematoda: Oxyuridae) from pocket mice, *perognathus intermedius* (Merriam, 1889) of the Grand Canyon, Arizona. *Illinois State Academy of Science, Transactions*, 51(3/4) (July 10): 20-25.

► Type locality not indicated further than "Grand Canyon National Park".

1959 19.4327 *Aspiculuris ackerti*, n. sp, (Nematoda: Oxyruidae) from the wood rats of Arizona. *Helminthological Society, Proceedings*, 26(2) (July): 147-150.

► New species of nematode removed from neotimid rats examined during 1954 expedition to Grand Canyon. Refers to the collections of Kruidenier and Peebles (1958), but does not list the publication in the references (identified here as ITEM NO. 19.4328).

Kruidenier, Francis J., AND Peebles, C. R.

1957 19.4501 Nematodes in Grand Canyon rodents: *Syphacia*, *Gonglyonema* and *Rictularis* [ABSTRACT]. *In:* Program and Abstracts of the Thirty-second Annual Meeting of the American Society of Parasitologists, Philadelphia, Pennsylvania, October 30, 31, November 1, 2, 1957. *Journal of Parasitology*, 43(5, Section 2 (Supplement)) (October): 29.

1958 19.4328 *Gongylonema* of rodents: *G. neoplasticum* (redefinition); *G. dipodomysis* n. sp.; and *G. peromyski* n. sp. *American Microscopical Society, Transactions*, 77(3) (July): 307-315.

► See *Gongylonema peromysci*, new species, pp. 310-312, Plate 2, figures 1-6 (p. 313); holotypes [*sic*] from "Grand Canyon National Park, Coconimo [*sic*] County, Arizona", removed from "cricetic mice taken on the north and south rims of the Grand Canyon" (p. 314). See also additional study by Kruidenier and Mehra (1959, ITEM NO. 19.4327).

Kubly, Dennis M.; Sorensen, Jeff A.; AND Henderson, Norman R.

1998 19.2045 *Contingency plan for relocating Niobrara ambersnails from –9 Mile Spring, Glen Canyon, in the event of an emergency, high discharge flood from Glen Canyon Dam : an evaluation of potential scenarios and options prepared for the interagency Kanab Ambersnail Working Group.* [No imprint], 7 pp.

2001 19.5982 Contingency plan for relocating Niobrara ambersnails from –9 Mile Spring, Glen Canyon, in the event of an emergency, high discharge flood from Glen Canyon Dam : an evaluation of potential scenarios and options prepared for the interagency Kanab Ambersnail Working Group. *In:* Sorensen, Jeff A., and Nelson, Clay B., *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program.

► Reprinting of Kubly *et al.* (1998, ITEM NO. 19.2045).

L

Linder, Chad M.; Cole, Rebecca A.; Hoffnagle, Timothy L.; Persons, Bill; Choudhury, Anindo; Haro, Roger; AND Sterner, Mauritz, III

2012 19.3616 Parasites of fishes in the Colorado River and selected tributaries in Grand Canyon, Arizona. *Journal of Parasitology*, 98(1) (February): 117-127.

► Tributaries also sampled: Little Colorado River, Bright Angel Creek, Shinomu Creek [*sic*, Shinumo Creek], Kanab Creek, Havasu Creek, Diamond Creek.

Linder, Chad M.; Hoffnagle, Timothy L.; Persons, Bill; Choudhury, Anindo; AND Cole, Rebecca A.

2008 19.3617 *Distribution and prevalance of parasites of fishes in the Colorado River and selected tributaries in Grand Canyon, Arizona. Final report.* [No place], *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center, 36 pp. (Cooperative Agreement 05WRAG0052.)

Littlefield, Joanne

2007 19.2735 Endangered or not? Taxonomy of the Kanab ambersnail. *In:* 2007 Agricultural Experiment Station Research Report. *University of Arizona, College of Agriculture and Life Sciences, Agricultural Experiment Station, Research Report [for] 2007*, pp. 23-24.

M

Marshall, William B.

1929 19.963 Three new land shells of the genus *Oreohelix* from Arizona. *U.S. National Museum, Proceedings*, 76(2802), 3 pp.

Massey, Calvin L.

1974 19.5566 Biology and taxonomy of nematode parasites and associates of bark beetles in the United States. *U.S. Forest Service, Agriculture Handbook 446*, 233 pp.

► See *Parasitorhabditis gracilis*, new species, type locality "Grand Canyon", "[a]ssociated with *Pseudohylesinus grandis* Sw. in white fir", pp. 69, 70. See also in Table 1, which lists *Pseudohylesinus grandis* at Grand Canyon (p. 13).

Mazzoni, Joseph P.

1996 19.2325 Endangered and Threatened Species permit applications. *Federal Register*, 61(249) (December 26): 68049-68050.

► Kanab ambersnail.

McKinney, Ted; Robinson, A. T.; Speas, D. W.; AND Rogers, R. S.

2001 19.2153 Health assessment, associated metrics, and nematode parasitism of rainbow trout in the Colorado River below Glen Canyon Dam, Arizona. *North American Journal of Fisheries Management*, 21(1) (February): 62-69.

Meretsky, Vicky J.

2000 19.2054 *Population ecology and management for* Oxyloma *in Kanab Canyon, Kane Co., Utah.* Final report submitted to U.S. Bureau of Land Management, Kanab Field Office, Kanab, Utah; report UT-046, 10 + [14] pp.

2000 19.2234 (WITH Eric North) *Succineid snails in Grand Staircase-Escalante National Monument, Utah: Survey and ecology.* Submitted to Bureau of Land Management, Grand Staircase-Escalante National Monument Office, 21 pp.

Meretsky, Vicky J., AND Stevens, Lawrence E.

1998 19.2375 Kanab ambersnail, an endangered succeineid snail in southwestern USA. *Tentacle* (International Union for Conservation of Nature, Species Survival Commission, Mollusc Specialist Group newsletter), (8) (July): 8-9.

Meretsky, Vicky J., AND Wegner, David L.

1999 19.2231 *Kanab ambersnail at Vaseys Paradise, Grand Canyon National Park, 1998 monitoring and research : year-end final report.* [No imprint], 9 pp. [Submitted to SWCA, Inc.]

2000 19.3909 *Kanab ambersnail at Vasey's Paradise, Grand Canyon National Park, 1998-99 monitoring and research : final report.* Flagstaff, Arizona: SWCA, Inc., *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, [4], 21, [27] pp.

Meretsky, Vicky J.; Miller, M. P.; Nelson, C. B.; Sorenson, J. A.; AND Stevens, L. E.

1999 19.1141 Conservation of an endangered succineid land snail. *First Symposium of the Freshwater Mollusk Conservation Society, March 17-19, 1999, Chattanooga, TN : program guide and abstracts*, pp. 53-54.

Meretsky, Vicky J.; North, Eric G.; AND Stevens, Lawrence E.

2002 19.2309 Kanab ambersnail and other terrestrial snails in south central Utah. *Western North American Naturalist*, 62(3) (August): 307-315.

► Includes Grand Canyon.

Messmer, Terry; Drake, Richard; AND McElrone, Audrey

1998 19.2514 (EDS.) *Endangered and threatened animals of Utah.* [No place]: Utah State University Extension Service, Department of Fisheries and Wildlife, The Jack H. Berryman

Institute, Utah Division of Wildlife, U.S. Fish and Wildlife Service, Office of Extension and Publications.

► "This bulletin was developed under the auspices of the Quinney Professorship for Wildlife Conflict Management through the sponsorship of the S. J. and Jessie E. Quinney Foundation in partnership with the College of Natural Resources, Jack H. Berryman Institute for Wildlife Damage Management, U.S. Fish and Wildlife Service, Utah Department of Natural Resources, and Utah Division of Wildlife Resources." Includes comments on Grand Canyon in the section for "Kanab Ambersnail (*Oxyloma haydeni kanabensis*)—Endangered", p. 49.

Metcalf, Artie L., AND Smartt, Richard A.

1997 19.4945 Land snails of New Mexico: A systematic review. *In:* Metcalf, Artie L., and Smartt, Richard A. (eds.), Land snails of New Mexico. *New Mexico Museum of Natural History and Science, Bulletin 10*, pp. 1-69.

► See *Catinella vermeta* (pp. 49-50), which includes taxonomic remarks that note, "Spamer (1993: 51) has used *C. avara* for shells from the Grand Canyon area of Arizona" (refers to subfossil occurrences reported by Spamer, 1993, ITEM NO. 19.1520).

Miller, Mark Perry

2000 19.2837 *Applications of molecular genetics and computer software to problems in conservation and evolutionary biology.* Doctoral dissertation, Northern Arizona University, 101 pp.

► Includes Kanab ambersnail at Vasey's Paradise, Grand Canyon National Park.

Miller, Mark P.; Stevens, Larry E. [Stevens, Lawrence E.]**; Busch, Joseph D.; Sorensen, Jeff A.; AND Keim, Paul**

2000 19.2233 Amplified fragment length polymorphism and mitochondrial sequence data detect genetic differentiation and relationships in endangered southwestern U.S.A. ambersnails (*Oxyloma* spp.). *Canadian Journal of Zoology*, 78: 1845-1854.

Miller, Mark P.; Stevens, Lawrence E.; AND Keim, Paul

2000 19.2245 A molecular phylogeny of the genus *Oxyloma* (Pulmonata: Succineidae) in western North America with respect to the endangered Kanab ambersnail (*Oxyloma haydeni kanabensis*). *In:* Stevens, Lawrence E., Keim, Paul, Miller, Mark P., and Wu, Shi-Kuei, *Morphological and genetic relatedness among succineid landsnails in the United States and Canada, with emphasis on the endangered Kanab ambersnail (*Oxyloma haydeni kanabensis*): draft final report.* U.S. Bureau of Reclamation contract no. 98-FC-40-1230, submitted to Grand Canyon Monitoring and Research Center, Flagstaff, pp. 30-43.

Miller, Walter B.

1984 19.1176 Three new species of *Sonorella* (Gastropoda: Pulmonata: Helminthoglyptidae) from Arizona. *Biological Society of Washington, Proceedings* (Washington, D.C.), 97(4): 681-687.

► See also Metcalf (1972, ITEM NO. 19.1158). Compare also Pilsbry (1993, ITEM NO. 19.1333).

N

Nelson, Clay B.

2001 19.2236 *Life history of the Kanab ambersnail on native and non-native host plants in Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 96 pp.

Nelson, Clay B., AND Sorensen, Jeff A.

2000 19.1993 Establishment of a refugium population of Kanab ambersnails at the Phoenix Zoo, Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 154*, 19 pp.

2001 19.2057 Establisment and monitoring of the Phoenix Zoo Kanab ambersnail refugium population: Progress report. Final report—revised March 16, 2001. *In:* Sorensen, Jeff A., and Nelson, Clay B., *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, [unpaginated].

2002 19.2237 Investigations of the endangered Kanab ambersnail: Monitoring of translocated populations and surveys of additional habitat. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 200*, 21 pp.

Nelson, Clay B.; Stevens, Lawrence E., AND Meretsky, Vicky J.

1997 19.6921 Planned floods, ecosystem restoration and endangered species management: the Kanab ambersnail (Succineidae: *Oxyloma haydeni kanabensis*) in Grand Canyon [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 153.

O

Oliver, George V., AND Bosworth, William R., III

1999 19.3733 Rare, imperiled, and recently extinct or extirpated mollusks of Utah: A literature review. *Utah Division of Wildlife Resources, Publication 99-29*, 231 [232] pp. (*For* Utah Reclamation Mitigation and Conservation Commission, and U.S. Department of the Interior, Cooperative Agreement No. 7FC-UT-00270. With title head: "State of

Utah, Department of Natural Resources, Division of Wildlife Resources, Utah Natural Heritage Program".)

► Includes species with references to nearby Arizona localities. See: *Pupoides hordaceus* (Gabb, 1866) ribbed dagger, pp. 149-151
Vertigo gouldii (A. Binney), 1843 variable vertigo, pp. 161-164
Oxyloma kanabense Pilsbry, 1948, Kanab ambersnail, pp. 199-202 [*Oxyloma haydeni kanabensis*].

Oltrogge, Maureen

2007 19.2674 Quagga muscles [*sic*] and Grand Canyon. *Canyon Views* (Grand Canyon Association), 13(2) (Summer): 1-2.

► Quagga mussels.

Omana Smith, Emily

2011 19.3373 Invasive mud snails in Havasu Creek. *Boatman's Quarterly Review*, 24(2) (Summer): 6-7.

► New Zealand mud snails.

Orcutt, C. R. [Orcutt, Charles Russell]

1891 19.1260 Contributions to West American Mollusca.—I. *West American Scientist*, 7: 222-225.

► Extracts from Stearns (1890, ITEM NO. 19.1541).

P

Pilsbry, Henry A.

1893 19.4136 *Manual of conchology : structural and systematic. Second series: Pulmonata. Vol. VIII, Part 4, Helicidæ, Vol. VI.* Philadelphia: Academy of Natural Sciences of Philadelphia, Conchological Section, [text] pp. 161-314, plates 42-58.

► See *Helix coloradoensis* Stearns, pp. 225-226, 313, Plate 56, figures 1-3. [*Sonorella coloradoensis* (Stearns).]

1897 19.1323 A classified catalogue of American land shells, with localities [part 2]. *The Nautilus* (Philadelphia), 11(5): 59-60.

► See no. 35, *Epiphragmophora coloradoensis* (Stearns), p. 59). Entry also reprinted without emendation in Pilsbry and Johnson's (1898, ITEM NO. 19.1338) corrected reprinting, p. 5.]

1907 19.2157 Report of the Special Curator of the Department of Mollusca. *Academy of Natural Sciences of Philadelphia, Proceedings*, 58 [for 1906]: 587-588.

► Grand Canyon collections, *in passing*.

1913 19.1324 Notes on some Oreohelices from Wyoming. *The Nautilus* (Philadelphia), 27(5): 50-54.

► Grand Canyon of Arizona, see pp. 50-52.

1916 19.3635 Notes on the anatomy of *Oreohelix*, with a catalogue of the species. *Academy of Natural Sciences of Philadelphia, Proceedings*, 68(3) (May/December): 340-359, Plates 19-22.

1921 19.1325 Land shells from Palm Canyon, California, and the Grand Canyon. *The Nautilus* (Philadelphia), 35(2): 48.

1921 19.3105 *Manual of conchology [Second series: Pulmonata]. Vol. XXVI. Pupillidæ (Vertigininæ, Pupillinæ).* Philadelphia: Conchological Department, Academy of Natural Sciences of Philadelphia.

► See pp. 166, 168-172; Plate 18.

1926 19.1326 James H. Ferriss; November 18, 1849-March 17, 1926. *The Nautilus* (Philadelphia), 40(1): 1-6.

► Mollusks.

1934 19.1327 Notes on the anatomy of *Oreohelix*,—III, with descriptions of new species and subspecies. *Academy of Natural Sciences of Philadelphia, Proceedings*, 85: 383-410.

► See pp. 402-403, 407, 410, plate 15.

1939 19.1328 Land Mollusca of North America (north of Mexico). *Academy of Natural Sciences of Philadelphia, Monograph 3*, Volume 1, Part 1, pp. I-XVII + 1-573 + i-ix.

1940 19.1329 Land Mollusca of North America (north of Mexico). *Academy of Natural Sciences of Philadelphia, Monograph 3*, Volume 1, Part 2, pp. i-vi + 575-994 + i-ix.

1946 19.1330 Land Mollusca of North America (north of Mexico). *Academy of Natural Sciences of Philadelphia, Monograph 3*, Volume 2, Part 1, pp. I-VI + 1-520.

1948 19.1331 Land Mollusca of North America (north of Mexico). *Academy of Natural Sciences of Philadelphia, Monograph 3*, Volume 2, Part 2, pp. I-XLVII + 521-1113.

► In addition to various taxonomic descriptions pertinent to this bibliography, this volume includes the description for the new subspecies, *Oxyloma haydeni kanabensis* (pp. 797-798, Figures 419A (p. 784), 428), types from "The Greens", north of Kanab, Utah, a taxon with a substantial number of citations in this bibliography that relate to its discovery in 1991 at Vasey's Paradise, Grand Canyon National Park. Formerly an Endangered species (since delisted for systematic reasons).

1976 19.1332 James H. Ferriss; November 18, 1849-March 17, 1926. *In:* Abbott, R. Tucker (ed.), *The best of The Nautilus : a bicentennial anthology of American conchology.* Greenville, Delaware: American Malacologists, pp. 96-101.

► Reprinted from *Nautilus*, 40(1): 1-6, 1926 (ITEM NO. 19.1326). Mollusks.

1993 19.1333 Field notes of Henry A. Pilsbry, Grand Canyon, 13-30 October 1906. *In:* Spamer, Earle E., and Bogan, Arthur E., Mollusca of the Grand Canyon and vicinity, Arizona: New and revised data on diversity and distributions, with notes on Pleistocene-Holocene mollusks of the Grand Canyon. *Academy of Natural Sciences of Philadelphia, Proceedings*, 144: pp. 65-68.

► Compare also Metcalf (1972, ITEM NO. 19.1158) and Miller (1984, ITEM NO. 19.1176). Pilsbry's notes also include casual remarks on plants, fish, frogs, and mice, chiefly along Shinumo Creek.

Pilsbry, Henry A., AND Ferriss, James H.

1908 19.1334 A new *Micrarionta* from Arizona. *The Nautilus* (Philadelphia), 21(12) (April): 134-136.

► Includes note of collecting in Grand Canyon, *in passing*.

1910 19.1335 Mollusca of the southwestern states: IV. The Chiricahua Mountains, Arizona. *Academy of Natural Sciences of Philadelphia, Proceedings*, 62: 44-147.

► Grand Canyon, see p. 54.

1911 19.1336 Mollusca of the southwestern states, V: The Grand Canyon and northern Arizona. *Academy of Natural Sciences of Philadelphia, Proceedings*, 63: 174-199.

1918 19.1337 Mollusca of the southwestern states—IX, The Santa Catalina, Rincon, Tortillita and Galiuro Mountains. X, The mountains of the Gila headwaters. *Academy of Natural Sciences of Philadelphia, Proceedings*, 70: 282-333, plates 3-7.

► Grand Canyon, see p. 285.

Pilsbry, Henry A., AND Johnson, Charles W.

1898 19.1338 *A classified catalogue with localities of the land shells of America north of Mexico.* Philadelphia: Henry A. Pilsbry and Charles W. Johnson, as editors of *The Nautilus*, 35 pp.

► "Reprinted, with corrections, from *The Nautilus*, August, 1897 to April, 1898". Reprint of Pilsbry (1897-1898), published in continuing untitled monthly segments in *Nautilus*, Volume 11, nos. 4-12 (see Pilsbry, 1897, ITEM NO. 19.1323).

Price, Peter W.; Stevens, Lawrence E.; Blinn, Dean W.; AND Nelson, Clay B.

1997 19.5504 *Endangered Kanab ambersnail use of native and non-native host plants in Grand Canyon, Arizona : September 1997 annual technical and administrative report : NAU Project No. BIO 351Z.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, *for* Northern Arizona University, Sponsored Project Coordinator, [unpaginated].

R

Rathbun, Richard

1917 19.3706 *Report on the progress and condition of the United States National Museum for the year ending June 30, 1916.* Washington, D.C.: U.S. Government Printing Office.

► See "List of Accessions to the Collections During the Fiscal Year 1915-1916" (section); specifically, p. 170: "Pilsbry, Dr. H. A., Academy of Natural Sciences, Philadelphia, Pa.: 8 mollusks, paratypes of *Oreohelix yavapai* var. *angelica*, collected in the Grand Canyon, near base of Crossbed sandstone [Coconino Sandstone], Bright Angel Trail (59178)." (ENTIRE ITEM) Henry A. Pilsbry.

Richardson, Leonard

1984 19.1391 Oreohelicidae: Catalog of species. *Tryonia* (Academy of Natural Sciences of Philadelphia, Department of Malacology, Miscellaneous Publications), (10), 30 pp.

Ring, Ray

2006 19.2613 Tiny stream invaders may harm Western trout; researchers tackle a problem likely to be spread by hatcheries and anglers. *High Country News*, 38(2) (February 6): 4.

► New Zealand mud snails.

Rogers, Julia Ellen

1913 19.3278 *The shell book : a popular guide to a knowledge of the families of living mollusks, and an aid to the identification of shells native and foreign.* Garden City, New York: Doubleday, Page and Co., 485 pp.

► See p. 268, "*E. Coloradoensis*, Strns. [*Epiphragmophora coloradoensis* Stearns], is low-spired, fragile and pale, with a narrow red band. The mouth is large. It was found at a high elevation near the Grand Cañon of the Colorado. Diameter, ¾ inch." (ENTIRE NOTE)

S

Sada, Donald W.

2005 19.2817 *Abundance, distribution, and habitat use of the Grand Wash springsnail (*Pyrgulopsis bacchus*), Grand Canyon-Parashant National Monument, Arizona.* Reno, Nevada: Desert Research Institute, *for* U.S. National Park Service, Grand Canyon-Parashant National Monument, and The Great Basin Cooperative Ecosystem Study Unit, 44 pp.

Safford, Matt

2015 19.5945 *Invertebrate biodiversity surveys in Grand Canyon National Park : 2015 annual report.* U.S. National Park Service, Grand Canyon National Park, 13 pp.

Scott, Joan

2003 19.2445 Another day in paradise; researchers take on a heavenly mission to save a tiny mollusk. (Photographs by Bob Miles.) *Wildlife Views* (Arizona Game and Fish Department), 46(2) (March/April): 1, 6-10.

► Kanab ambersnail at Vasey's Paradise, Marble Canyon, Grand Canyon National Park.

Sorensen, Jeffrey Alan [Sorensen, Jeff A.]

NO DATE 19.1994 *Kanab ambersnail (Succineidae:* Oxyloma haydeni kanabensis *Pilsbry, 1948).* [Arizona Game and Fish Department, Nongame and Endangered Wildlife Program], [6] pp. [2000.] [Fact sheet.]

2001 19.2066 *Kanab ambersnails in Grand Canyon, Arizona: Sampling error, habitat relationships, and population assessment.* Master's thesis, Arizona State University, 49 pp.

2005 19.3235 Kanab ambersnail 2005 progress report: Status of translocated populations and initial results from the November 2004 habitat mitigation experiment. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 243*, 15 pp.

2009 19.3236 Kanab ambernsail habitat mitigation for the 2008 high flow experiment. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 257*, 7 pp.

2014 19.4589 Introduced aquatic mollusks in Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 284*, 5 pp.

2018 19.5754 Get to know your slimy neighbors—desert snails in Arizona [ABSTRACT]. *From:* Fisheries [*sic*] Abstracts Poster Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 37. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Sorensen, Jeff A., AND Kubly, Dennis M.

1997 19.1519 Investigations of the endangered Kanab ambersnail: monitoring, genetic studies, and habitat evaluation in Grand Canyon and northern Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 122*, 102 pp.

1997 19.2238 *Studies on the endangered Kanab ambersnail in Grand Canyon, Arizona* [ABSTRACT]. Presentation at the annual conference of the Arizona/New Mexico chapters of the American Fisheries Society and the Wildlife Society, Gallup, New Mexico, February 8, 1997, 1 p.

1998 19.2232 Monitoring and habitat surveys of the endangered Kanab ambersnail in Grand Canyon and northern Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 125*, 31 pp.

Sorensen, Jeff A., AND Nelson, Clay B.

2000 19.1972 Translocation of Kanab ambersnails to establish a new population in Grand Canyon, Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 153*, 22 pp.

2001 19.2067 *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, [41] pp.

2001 19.2068 November 2000 status report on translocated Kanab ambersnail populations in Grand Canyon. Final report—revised March 13, 2001. *In:* Sorensen, Jeff A., and Nelson, Clay B., *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, [unpaginated].

2001 19.2069 March 2001 status report on Minus 9 Mile Niobrara ambersnails in Glen Canyon, Arizona. Final report—March 29, 2001. *In:* Sorensen, Jeff A., and Nelson, Clay B., *Final progress report for 2000: Status of translocated Kanab ambersnail populations in Grand Canyon, Arizona : status of the Phoenix Zoo ambersnail refugium : status of the Niobrara ambersnail population at Minus 9 Mile Spring, Glen Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, [unpaginated].

2002 19.2229 *Interim conservation plan for* Oxyloma (haydeni) kanabensis *complex and related ambersnails in Arizona and Utah.* [Phoenix]: Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, *for* U.S. Bureau of Reclamation, Upper Colorado Region, 44 pp. (Grant no. 01-FG-40-4870.)

2003 19.3234 2003 status report on Niobrara ambersnails in northern Arizona. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 225*, 22 pp.

Sorensen, Jeff A.; Kubly, Dennis M.; AND Bills, Debra T.

1999 19.2240 *Weird science: Interagency efforts to save an endangered snail and alleviate restrictions on Glen Canyon Dam flows : "Kanab ambersnail translocation and USFWS second population definition"* [ABSTRACT]. Presentation to Guides Training Seminar, Marble Canyon Lodge, March 27-28, 1999, 2 pp.

Sorensen, Jeff A.; Kubly, Dennis M.; AND Winstead, Richard A.

1998 19.2239 *A snail tale: Grand Canyon floods prompt recovery efforts for an endangered mollusk* [ABSTRACT]. Presentation to Guides Training Seminar, Fredonia, Arizona, March 28, 1998, 1 p.

▶ Kanab ambersnail.

Sorensen, Jeff A.; Nelson, Clay B.; AND Bolen, Darren K.

2003 19.2449 Kanab ambersnail 2003 progress report: Analysis of habitat data, status of translocated populations, and additional habitat surveys. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 220*, 54 pp.

Sorensen, Jeff A.; Nelson, Clay B.; Stevens, Lawrence E.; Miller, Mark P.; Keim, Paul; AND Wu, Shi-Kuei

2000 19.1973 Shell shocked: Recent findings and management implications for ambersnails and future floods in Grand Canyon [ABSTRACT]. [No imprint], 2 pp. [Distributed with *2000 Guides Training Seminar* materials, Grand Canyon River Guides, Marble Canyon, Arizona, April 2000.]

Spamer, Earle E.

1993 19.1520 Late Pleistocene(?) land snails (Mollusca: Gastropoda) in "red earth" deposits of the Grand Canyon, Arizona. *The Mosasaur* (Delaware Valley Paleontological Society, Journal), 5: 47-58.

► Includes modern fauna.

1995 19.1521 Strange bedfellows; W.W. Bass and the Endangered Species Act. *Nature Notes* (Grand Canyon National Park), 11(3) (Fall): 10-11.

► Regarding the Kanab ambersnail, *Oxyloma haydeni kanabensis*, at Vasey's Paradise.

1996 19.1522 Academy helps save habitat of endangered snail. *Explore* (Academy of Natural Sciences of Philadelphia), 2(1) (February/March): 3.

► Regarding the Kanab ambersnail, *Oxyloma haydeni kanabensis*, at Vasey's Paradise.

2000 19.1996 Mollusks run through it. *High Country News*, 32(17) (September 11): 13. [Letter in response to article, "The snail that stands like a dam", by Guy Webster, 32(14) (July 31): 5 (ITEM NO. 19.2011).] [Editor's title for letter.]

► Regarding the Kanab ambersnail, *Oxyloma haydeni kanabensis*, at Vasey's Paradise.

Spamer, Earle E., AND Bogan, Arthur E.

1991 19.4809 *Mollusks of the Colorado River corridor, Grand Canyon, Arizona : including an overview of mollusks of the Grand Canyon region.* Philadelphia: Academy of Natural Sciences of Philadelphia, Department of Malacology, *for* [U.S. Bureau of Reclamation], Glen Canyon Environmental Studies [Flagstaff, Arizona], 40 pp. [December 1991.]

► This report was cited by Spamer and Bogan (1993, ITEM NO. 19.1524) as "in press" *in* D. W. Blinn, L. E. Stevens, and J. P. Shannon, "The effects of Glen Canyon Dam on the aquatic food base in the Colorado River corridor in Grand Canyon, Arizona", U.S. National Park Service report, NPS cooperative agreement no. CA-8009-8-002. However, that report by Blinn *et al.* was not produced as such, and thus this GCES report was not included. *NOTE*: Spamer and Bogan (1993 , ITEM NO. 19.1524) published revised and updated data to those presented in this GCES report, but this 1991 report does include comparative and supporting data that are not available elsewhere. This report is accessible on the Grand Canyon Monitoring and Research Center website and on Spamer's Academia.edu account.

1993 19.1524 Mollusca of the Grand Canyon and vicinity, Arizona: New and revised data on diversity and distributions, with notes on Pleistocene-Holocene mollusks of the Grand Canyon. *Academy of Natural Sciences of Philadelphia, Proceedings*, 144: 21-68. [Published April 7.]

► See also notes on the mice and frogs collected by Henry Pilsbry, 1906, on Shinumo Creek (Appendix 1, *notes* 7, 8 [p. 67]).

1993 19.1525 New records of Mollusca for Grand Canyon National Park and Arizona. *Southwestern Naturalist*, 38(3) (September): 293-298.

► The authors had intended that this paper appear before the one published in the *Proceedings of the Academy of Natural Sciences of Philadelphia* (Spamer and Bogan, 1993, ITEM NO. 19.1524); however, due to publisher's delays in *Southwestern Naturalist* the *Proceedings* paper appeared first, in April.

2002 19.2223 Contrasting objectives in environmental mediation, reconnaissance biology, and endangered species protection—a case study in the Kanab ambersnail, *Oxyloma*

haydeni kanabensis Pilsbry 1948 (Gastropoda: Stylommatophora: Succineidae). *Walkerana*, 9 [for 1997-1998] (22): 177-215. [Publication of volume delayed.]

Spoja, Marya

2017 19.5367 Marauding mussels—quagga concerns in the Grand Canyon. *Boatman's Quarterly Review*, 30(1) (Spring): 5-7.

► Quagga mussel, *Dreissena rostroformis bugensis*.

Springer, Craig

2003 19.2355 Alien mudsnail invading western waters. *Birdscapes*, (Winter): 29.

Stearns, Robert E. C.

1890 19.1541 Scientific results of explorations by the U.S. Fish Commissions [*sic*] steamer Albatross. No. XVII.—Descriptions of new west American land, fresh-water, and marine shells, with notes and comments. *U.S. National Museum, Proceedings*, 13: 205-225.

► See *Helix (Arionta) coloradoensis*, from Grand Canyon, p. 206, plate 15, figures 6, 8, 12 (not 6-8). *NOTE*: Figures 7 and 12 of this plate were transposed (*fide* Pilsbry, 1893 [ITEM NO. 19.4136], p. 226).

1894 19.1542 Helix (Arionta) coloradoensis: —a new locality. *The Nautilus* (Philadelphia), 8(3): 29.

► Land snail first described from Grand Canyon; a single dead shell located at "Mountain Springs, Colorado desert, San Diego County". ". . . a wide range a distribution is already indicated for this species."]

Stemler, Casey

2006 19.2694 Endangered and threatened wildlife and plants; initiation of a 5-year review of Maguire Daisy, Holmgren Milk-Vetch, Shivwits Milk-Vetch, Virgin River Chub, Woundfin, and Kanab Ambersnail. *Federal Register*, 71(67) (April 7): 17900-17902.

Stevens, Lawrence E., AND Meretsky, Vicky J.

1997 19.1569 Partners in slime: Assessment and mitigation of flood impacts on Kanab ambersnail. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], pp. 66-77.

Stevens, Lawrence E.; Keim, Paul; Miller, Mark P.; AND Wu, Shi-Kuei

2000 19.1975 *Morphological and genetic relatedness among succineid landsnails in the United States and Canada, with emphasis on the endangered Kanab ambersnail (*Oxyloma haydeni kanabensis*): draft final report.* U.S. Bureau of Reclamation contract no. 98-FC-40-1230, submitted to Grand Canyon Monitoring and Research Center, Flagstaff, 61 pp.

Stevens, Lawrence E.; Kubly, Dennis M.; Petterson, James R.; Protiva, Frank R.; AND Meretsky, Vicky J.

1995 19.1577 *A draft proposal to assess, mitigate and monitor the impacts of an experimental high flow from Glen Canyon Dam on the endangered Kanab ambersnail at Vasey's Paradise, Grand Canyon, Arizona.* Report submitted to Glen Canyon Environmental Studies, 15 pp. + attachments.

Stevens, Lawrence E.; Protiva, Frank R.; Kubly, Dennis M.; Meretsky, Vicky J.; AND Petterson, James

1997 19.1579 *The ecology of Kanab ambersnail (Succineidae:* Oxyloma haydeni kanabensis *Pilsbry, 1948) at Vaseys Paradise, Grand Canyon, Arizona: 1995 final report.* Cooperative, interagency report prepared for Grand Canyon Monitoring and Research Center, Flagstaff, 34 pp.

Stone, Dennis M.; Van Haverbeke, David R.; Ward, David L.; AND Hunt, Teresa A.

2007 19.2862 Dispersal of nonnative fishes and parasites in the intermittent Little Colorado River, Arizona. *Southwestern Naturalist*, 52(1) (March): 130-137.

► With perspectives on invasion of the "perennial, lower 21 km of the LCR".

T

Taylor, Dwight W.

1970 19.1658 West American freshwater Mollusca, 1: Bibliography of Pleistocene and Recent species. *San Diego Society of Natural History, Memoir 4*, 73 pp.

1975 19.1659 Index and bibliography of late Cenozoic freshwater Mollusca of western North America. Claude W. Hibbard Memorial Volume 1. *University of Michigan, Papers on Paleontology*, (10), 384 pp.

Terrell, Terry T.

1994 19.3290 Availability of a draft recovery plan for the Kanab ambersnail (*Oxyloma Haydeni kanabensis*) for review and comment. *Federal Register*, (September 29):.

Therriault, Thomas W.; Weise, Andrea M.; Gillespie, Graham E.; AND Morris, Todd J.

2011 19.4286 Risk assessment for New Zealand mud snail (*Potamopyrgus antipodarum*) in Canada. Évaluation des risques de la nasse de Nouvelle-Zélande (*Potamopyrgus antipodarum*) au Canada. *Canada Department of Fisheries and Oceans, Canadian Science Advisory Secretariat, Research Document 2010/108* (*Canada Secrétariat canadien de consultation scientifique, Document de recherche 2010/108*), vi, 93 pp. [Includes note of "Colorado River, AZ" (p. 14, and see distribution map, p. 44).] [In parallel English and French texts.]

U

U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Kanab Ambersnail Workgroup

1996 19.5538 *A preliminary draft feasibility study for research on endangered Kanab ambersnail use of native and non-native host plants in Grand Canyon, Arizona: A three phase project.* Flagstaff, Arizona: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Kanab Ambersnail Workgroup, [10] pp.

U.S. Fish and Wildlife Service, New Mexico Cooperative Fish and Wildlife Research Unit

2017 19.5416 Development and validation of a molecular screening tool to identify the presence of Asian tapeworm in imperiled southwestern native fish populations [ABSTRACT]. *In:* Dennerline, Donald E., and Childs, Dawn E. (eds.), U.S. Geological Survey coopertive fish and wildlife research units program—2016 research abstracts. *U.S. Geological Survey, Circular 1427*, p. 61.

► Colorado and Little Colorado Rivers.

U.S. Fish and Wildlife Service, Utah Ecological Services Field Office

2020 19.6372 Endangered and Threatened wildlife and plants; removing the Kanab ambersnail from the list of Endangered and Threatened wildlife. *Federal Register*, 85(3) (January 6): 487-492. [Proposed rule.]

► *Oxyloma haydeni kanabensis*.

2021 19.6645 Endangered and Threatened wildlife and plants; removing the Kanab ambersnail from the list of Endangered and Threatened wildlife. *Federal Register*, 86(119) (June 24): 33137-33142. [Final rule.]

► *Oxyloma haydeni kanabensis*.

U.S. Fish and Wildlife Service, Utah Field Office, Ecological Services

2011 19.5489 *Kanab ambersnail :* Oxyloma haydeni kanabensis *: 5-year review: summary and evaluation.* West Valley City, Utah: U.S. Fish and Wildlife Service, Utah Field Office, Ecological Services, 26 pp.

U.S. National Park Service, Grand Canyon National Park

2007 19.2656 GCNP working on coordinated effort to prevent quagga mussels in Colorado River. *Boatman's Quarterly Review*, 20(1) (Spring 2006-2007) [*sic*]: 6.

► "From a Grand Canyon news release dated February 1, 2007."

V

Vernieu, William S.

2015 19.4832 Biological data for water in Lake Powell and from Glen Canyon Dam releases, Utah and Arizona, 1990-2009. *U.S. Geological Survey, Data Series 959*, 12 pp.

► Principally Lake Powell, but includes two data stations below Glen Canyon Dam: "Glen Canyon Dam draft tubes" and "Colorado River at Lees Ferry". Summary of investigations of chlorophyll, phytoplankton, and zooplankton. With database description.

W

Walker, Bryant

1907 19.5688 "Mollusca of the Southwestern States. II. By H. A. Pilsbry and J. H. Ferriss. Proc. Acad. Nat. Science, Philadelphia, 1906, pp. 123-175". *The Nautilus* (Philadelphia), 20(9): 106-108.

► Review of the paper by Pilsbry and Ferriss (but that paper does not pertain to this bibliography). See p. 108 of review, casual mention of Pilsbry and Ferriss's 1906 collecting expedition to Grand Canyon.

Ward, David L.

2005 19.2572 Removal and quantification if [*sic*] Asian tapeworm from humpback chub using Praziquantel [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 88.

2005 19.3728 Removal and quantification of Asian tapeworm from endangered cyprinid fishes using Praziquantel [ABSTRACT]. *Desert Fishes Council, 37th Annual Meeting, November 16-20, 2005, Quatro Ciénegas, Coahuila, México*, p. 24.

2007 19.3163 Removal and quantification of Asian tapeworm from bonytail chub using Praziquantel. *North American Journal of Aquaculture*, 69(3): 207-210.

2012 19.3740 Salinity of the Little Colorado River in Grand Canyon confers anti-parasitic properties on a native fish. *Western North American Naturalist*, 72(3): 334-338.

► Humpback chub.

Webb, Melanie A., AND Fridell, Richard A.

2000 19.2235 Kanab ambersnail distribution surveys in the East Fork of the Virgin River, upper Parunuweap Canyon, Utah, May 8-May 13, 2000; final report. *Utah Division of Wildlife Resources, Publication 00-29*, 16 pp.

Webster, Guy

2000 19.2011 The snail that stands like a dam. *High Country News*, 32(14) (July 31): 5.

► Regarding *Oxyloma haydeni kanabensis*, Kanab ambersnail. See also letter from Earle Spamer, 32(17) (September 11): 13 (ITEM NO. 19.1996).

2000 19.2012 The snail that stands like a dam: Grand Canyon restoration hinges on the fate of a tiny, talented mollusk. *In:* Amplexus; the wild side [FEATURE]. *Inside/Outside Southwest Magazine*, (September): 12.

► Regarding *Oxyloma haydeni kanabensis*, Kanab ambersnail. Reprinted from *High Country News* (ITEM NO. 19.2011).

Williams, Louis G.

1966 19.4716 Dominant planktonic rotifers of major waterways of the United States. *Limnology and Oceanography*, 11(1) (April): 83-91.

► Data include collections at Parker Dam, Arizona, Boulder City, Nevada, and Page, Arizona (*i.e.*, Glen Canyon Dam).

Woodward, Susan L., AND Quinn, Joyce A.

2011 19.6369 *Encyclopedia of invasive species : from Africanized honey bees to zebra mussels. Volume 1: Animals.* Santa Barbara (California), Denver (Colorado), and Oxford (England): Greenwood (ABC-CLIO, LLC), pp. i-xli, 1-320, I-1 to I-38, [1].

► Of those species with geographically pinpointed distributions reported as invasive within the boundaries of this part of the bibliography, see "New Zealand Mud Snail", *Potamopyrgus antipodarum* (pp. 73-76).

Wright, Kevin

2009 19.3992 Differentiation of reptilian parasites and pseudoparasites. *North American Veterinary Community Clinician's Brief*, (December): 28-32.

► Color photomicrographs, including "Tapeworm ovum; Grand Canyon rattlesnake (*Crotalus abyssus*)", p. 31. Comparative imagery; quiz format, with answers.

Y

Yard, Michael D., AND Blinn, Dean W.

2001 19.2076 LSSF experiment: Phytobenthic colonization in response to snail grazing [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 47. (Glen Canyon Dam Adaptive Management Program.)

3

ENTOMOLOGY

of the

GRAND CANYON REGION

(INSECTS, ARACHNIDS, AND OTHER ARTHROPODS)

BIBLIOGRAPHY OF ENTOMOLOGY OF THE GRAND CANYON REGION

(INSECTS, ARACHNIDS, AND OTHER ARTHROPODS)

Entomology is generally defined as the study of insects. In the past—and as taxonomically and administratively reflected in many research collections—the subject further embraced arachnids and some other arthropods. This broader definition is used for convenience in this bibliography.

ANONYMOUS

1892 19.3272 Personal notes. *Psyche*, 6 (July) (195): 292-293.

► Includes notice of embarkation of C. H. Tyler Townsend "on a field trip by wagon from [Las Cruces] to the Grand Cañon of the Colorado *via* Flagstaff" where they will also meet another party under Prof. Toumey.

1892 19.3225 Calendar of Societies [SECTION]. *Science*, 20 (November 11) (510): 278.

► Includes notice for presentations to New Mexico Society for the Advancement of Science, Las Cruces, New Mexico: ". . . C. H. Tyler Townsend, A Partial Comparison of the Insect Fauna of the Grand Cañon with that of the San Francisco Mountain, in Arizona . . ." (ENTIRE NOTE)

1893 19.3691 Proceedings of the New Mexico Society for the Advancement of Science. *In:* Proceedings of Scientific Societies [SECTION]. *American Naturalist*, 27 (March): 310-312.

► See "Meeting of November 2, 1892, at La Cruçes.—(No. 1.)", pp. 310-311, summary of a paper by [C. H. Tyler] Townsend, "A partial comparison of the insect fauna of the Grand Cañon with that of the San Francisco Mountain in Arizona"; and which also notes (p. 311), "Specimens of insects were exhibited . . . and many photographs and views of the cañon region were shown." And see repeated under "(No. 3)" (p. 311): "Quite a number of specimens of the insect fauna of Grand Cañon and the San Francisco Mountains of Arizona were exhibited by Professor Townsend, besides some photographs taken during the trip."

1905 19.3280 [W. M. Wheeler field work on the Formicidae of the Southwest, including Grand Canyon.] *In:* Museum News Notes [SECTION]. *American Museum Journal* (American Museum of Natural History), 5(2) (April): 91.

Anonymous *(continued)*

1913 19.5136 [Note.] *In:* [Meeting of] February 2nd, 1911; entomological program. *Hawaiian Entomological Society, Proceedings*, 2 [for 1911-1912] (5) (July): 191.

► "Mr. Swezey exhibited a collection of insects taken at the Grand Canyon, Arizona, while on a visit to that place." (ENTIRE NOTE)

1916 19.4052 Potato crop brings goodly wealth to Michigan growers. *Pere Marquette Service* (Pere Marquette Railroad, Detroit), 2(7) (December): 6-7.

► See p. 7, "Origin of the Potato Bug": "The late C. C. James, of Canada, who was as highly regarded in scientific agriculture in Canada as Uncle James Wilson in the United States, held to a novel theory as to the origin of the potato bug. [¶] This pest, according to Prof. James, was none other than the Colorado beetle, which is indigenous to the Grand Canon of the Colorado. It first reached the Detroit river in 1877, and his belief was that it had traced the footsteps of the Forty-Niners eastward. It is a known fact that potatoes can be reproduced from the peel providing that there is an eye in it. Now, Mr. James, held that the Forty-Niners in their march across the continent had left a trace of these, which the Colorado beetle followed. It took them from 1849 to 1877 to reach Michigan." (ENTIRE NOTE) Surely a confused rendition.

1917 19.6125 Proceedings of the Brooklyn Entomological Society. *Brooklyn Entomological Society, Bulletin*, 12(2) (April): 45-47.

► See "Meeting of November 16" (p. 46), which notes: "The scientific programme was Mr. G. P. Englehardt's account of his visit to the Grand Canyon of Arizona, between June 6 and 10. After an illuminating description of the natural features he noted as interesting captures in the canyon of *Cicindela arizonæ*, rather common along a small stream on the Bright Angel trail; *Zopherus gracilis, Hetærina vulnerata*, abundant in Indian Garden, as well as *Notonecta mexicana*; *Memythrus cupressi* was found on willow, in the same place, and the larvæ of *Megathymus* sp. was found boring in agave. *Sphinx coloradus* came to light at the top of the Canyon." (ENTIRE NOTE)

1922 19.3734 Barkbeetles menace to Grand Canyon forests. *Lumber* (Chicago), 70 (October 20): 44.

► Grand Canyon National Park and Kaibab National Forest. Bark beetles.

1994 19.88 Observations. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 45.

► Reprinted from *Grand Canyon Nature Notes*, September, 1921 [*sic*], October, 1932, November, 1926; mule deer, tarantulas.

1995 19.109 Butterfly poachers brought to justice. *Endangered Species Bulletin*, 20(2): 4-6.

Anonymous *(continued)*

2006 19.5027 Descoberto novo gênero de grilo. *SBE Noticias* (Sociedade Brasileira de Espeleologia, Boletim Electrônico), 1(22) (August 2): 2. ("Fonte: O Estado de São Paulo 26/07/2006".) [In Portuguese.]

► Regarding the discovery of a new genus of cave cricket by Kyle D. Voyles and J. Judson Wynne in Grand Canyon-Parashant National Monument.

2006 19.2936 Utah researchers discover new type of cave cricket. *In:* Cave Biology [SECTION]. *TSA Activities Newsletter* (Texas Speleological Association), 10(10) (October): 4-5.

► Grand Canyon-Parashant National Monument caves. Excerpted from online posting from *Washington Post*, 25 July 2006.

A

Adams, James K., AND Lafontaine, J. Donald

2009 19.4280 A new species of *Plagiomimicus* Grote (Noctuidae: Stiriinae) from northern Arizona and southeastern Utah. *Lepidopterists' Society, Journal*, 63(3): 173-176.

► *P. kathyae*, type material from Cameron Trading Post, Cameron, Arizona, and Moab, Utah.

Addicott, John F., AND Bao, Tan

1999 19.2295 Limiting the costs of mutualism: multiple modes of interaction between yuccas and yucca moths. *Royal Society of London, Proceedings, Series B, Biological Sciences*, 266(1415): 197-202.

Alexander, Caroline

1996 19.151 Crimes of passion; a glimpse into the covert world of rare butterfly collecting. *Outside*, (January): 29-32.

Alexander, Charles P.

1946 19.5283 Records and descriptions of North American crane-flies (Diptera). Part VI. Tipuloidea of Arizona, New Mexico and Trans-Pecos Texas, 1. *American Midland Naturalist*, 35(2) (March): 484-531.

► See pp. 506-508, *Tipula (Lunatipula) kaibabensis*, new species; holotype male from "Kaibab Plateau, north rim of the Grand Canyon, Arizona". Also includes various species records from Grand Canyon.

1948 19.2078 Records and descriptions of North American crane-flies (Diptera). Part VII. The Tipuloidea of Utah, 1. *American Midland Naturalist*, 39(1): 1-82.

Allred, Dorald M., AND Cole, Arthur C.

1979 19.157 Ants from northern Arizona and southern Utah. *Great Basin Naturalist*, 39(1): 97-102.

► See Allred and Tanner (1979, pp. 89-90, ITEM NO. 19.158) for study-site descriptions.

Allred, Dorald M., AND Gertsch, Willis J.

1976 19.4039 Spiders and scorpions from northern Arizona and southern Utah. *Journal of Arachnology*, 3: 87-99.

► Northern Arizona locales include Paria River area, U.S. Highway 89 south of Page, and vicinity of Navajo Generating Station.

Allred, Dorald M., AND Tanner, Vasco M.

1979 19.158 Beetles from the environs of Lake Powell in southern Utah and northern Arizona. *Great Basin Naturalist*, 39(1): 89-96.

► Study-site descriptions (pp. 89-90) also pertain to Allred and Cole (1979, ITEM NO. 19.157).

Anderson, Wyatt W.; Arnold, Jonathan; Baldwin, David G.; Beckenbach, Andrew T.; Brown, Celeste J.; Bryant, Stephen H.; Coyne, Jerry A.; Harshman, Lawrence G.; Heed, William B.; Jeffery, Duane E.; Klaczko, Louis B.; Moore, Betty C.; Porter, Jean M.; Powell, Jeffrey R.; Prout, Timothy; Schaeffer, Stephen W.; Stephens, J. Claiborne; Taylor, Charles E.; Turner, Monte E.; Williams, Gabriel O.; AND Moore, John A.

1991 19.3036 Four decades of inversion polymorphism in *Drosophila pseudoobscura*. *U.S. National Academy of Sciences, Proceedings*, 88 (November): 10367-10371.

► Includes Grand Canyon data.

Arnett, Ross H., Jr.

1951 19.2081 A revision of the Nearctic Oedemeridae (Coleoptera). *American Midland Naturalist*, 45(2) (March): 257-391.

Augustson, G. F.

1943 19.4333 A new subspecies of *Orchopeas sexdentatus* (Baker) (Siphonaptera: Dolichopsyllidae). *Southern California Academy of Sciences, Bulletin*, 42(1): 49-51, Plate 5 (p. 51).

► *Orchopeas sexdentatus neotomae*; from "South Entrance, Grand Canyon National Park". Type host *Neotoma lepida devia* Goldman.

Avramenko, N. O., AND Zatsaritsina, Yu. V. [Авраменко, Н. О.; Зацарицина, Ю. В.]

2015 19.6610 Нові види тварин, які були відкриті в 2014 році [Novi vydy tvaryn, yaki buly vidkryti v 2014 rotsi] [New species of animals that were discovered in 2014] [ABSTRACT]. *In: Матеріали науково-практичної конференції викладачів, аспірантів та студентів Сумського НАУ (20-24 квітня 2015 р.). Том II.* [Materialy naukovo-praktychnoyi konferentsiyi vykladachiv, aspirantiv ta studentiv Sums'koho NAU (20-24 kvitnya

2015 r.). Tom II.] [Proceedings of the scientific-practical conference of teachers, graduate students and students of Sumy NAU (April 20-24, 2015). Volume II.] Суми: Національного Аграрного Університету [Sumy: Natsional'noho Ahrarnoho Universytetu] [Sumy, Ukraine: National Agrarian University], p. 54. [In Ukrainian.]

► Includes: "Hesperochernes bradybaughi або лжескорпіони . . . виявили в одній з печер в штаті Арізона, на території, що охороняється Parashant, на північному краю Великого Каньйону." (*Translated here*: *Hesperochernes bradybaughi* or false scorpions [pseudoscorpions] . . . found in one of the caves in Arizona, in the Parashant protected area, on the northern edge of the Grand Canyon.) This refers to Harvey and Wynne (2014, ITEM NO. 19.4593), but omits *Tuberochernes cohni* that is also described therein as new; that work was performed on the Grand Canyon-Parashant National Monument, Arizona.]

Ayers, Andrew D.

1999 19.192 *Gammarus lacustris* Sars (Crustacea: Amphipoda) in the tailwater of a regulated river. *Arizona-Nevada Academy of Science, Journal*, 31(2): 83-96. [Date "1998 [Distributed March 1999]" (square brackets thus).]

B

B., E. D.

____ 19.194 African honey bees found on Grand? *In:* Hot Line [SECTION]. *Paddler*, _____: 14.

B., R. A.; B., J. P.; D., K.; F., C. D.; H., Y.; L., R. H.; R., R.; S., W. L.; AND T., P. M.

1990 19.4926 (CONTRIBUTORS) Arizona. *News of the Lepidopterists' Society*, (2) (March/April): 15-16.

Baker, Carl F.

1895 19.3191 Preliminary studies in Siphonaptera.—III. Genus *Pulex* (continued.) *Canadian Entomologist*, 27(4) (April): 108-112.

► See p. 111.

1895 19.3192 Preliminary studies in Siphonaptera.—V. Genus *Pulex* (Division III.) *Canadian Entomologist*, 27(6) (June): 162-164.

► See p. 164.

1904 19.3102 A revision of American Siphonaptera, or fleas, together with a complete list and bibliography of the group. *U.S. National Museum, Proceedings*, 27: 365-469.

► See pp. 382-383, 385.

Ball, E. D.

1933 19.6063 The genus *Myndus* Stal in North America (Homoptera Fulgoridae). *Washington Academy of Sciences, Journal* (Washington, D.C.), 23(10) (October 15): 478-484. [*Myndus* Stål.]

► See p. 482, *Myndus yuccandus*, new species, from a yucca at "Grand Canyon Bridge, Ariz." (Navajo Bridge). *NOTE*: Kramer (1979, ITEM NO. 19.6062) examined the type material from "Grand Canyon, Arizona", noting that "The information published with the original description is slightly different from that on the labels of the holotype; this is probably due to a lapsus by Ball. The previously published locality was given as 'Grand Canyon Bridge' and the date of collection '30 August 1930'. One paratype male with same data. Both are in the collection of the USNM." It is feasible that Ball's published information is correct. Not resolved here.

1935 19.4452 Some new Issidae, with notes on others—(Homoptera–Fulgoridae). *Brooklyn Entomological Society, Bulletin*, 30(2) (April): 37-41.

► See p. 38, "*Hysteropterum cornutum* var. *utahnum* Ball n. var. [new variety]", from "near the Grand Canyon" (likely North Rim).

1937 19.6118 Some new Fulgoridae from the western United States. *Brooklyn Entomological Society, Bulletin*, 32(5) (December): 171-183.

► See: *Yucanda miniata*, new species (p. 175); holotype, allotype, and four paratypes "from a small shrub that looks like a dwarf mesquite, at the Grand Canyon Bridge, Arizona"

Arida nodosa, new species (pp. 176-177; types from Tucson Mountains but distribution noted "from Yuma to Tucson and north to the Grand Canyon Bridge".

"Grand Canyon Bridge" is Navajo Bridge.

Ball, E. D., AND Beamer, R. H.

1939 19.5233 A revision of the genus *Athysanella* and some related genera (Homoptera-Cicadellidae). *University of Kansas, Science Bulletin*, 26(1) (October 1): 5-82 (including Plates 1-12).

► See: *Athysanella fredonia*, new species (pp. 12-13), holotype from Fredonia, Arizona; paratypes from localities including "Grand Canyon, Ariz."

Athysanella globosa, new species (pp. 18-19), holotype from "Grand Canyon, Ariz."

Athysanella (*Gladionura*) *casa*, new species (p. 48), paratypes from localities including "Grand Canyon, Ariz."

Refer also to Plates 1, 2, 7, 9, 11.

Ball, E. D.; Tinkham, E. R.; Flock, Robert; AND Vorhies, C. T.

1942 19.211 The grasshoppers and other Orthoptera of Arizona. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin 93*, pp. 257-373.

Banks, Nathan

1902 19.3659 A list of spiders collected in Arizona by Messrs. Schwarz and Barber during the summer of 1901. *U.S. National Museum, Proceedings*, 25: 211-221, Plate 7.

► Reports various species from "Bright Angel" and "Colorado Cañon". None of the new species described are from Grand Canyon. A large number of specimens in this paper are from Williams, Arizona.

1903 19.3600 A revision of the Nearctic Chrysopidae. *American Entomological Society, Transactions*, 29(2): 137-162.

► See *Chrysopa chlorophana* Burm., pp. 147-148; including Grand Canyon.

1906 19.3596 A revision of the Nearctic Hemerobiidae. *American Entomological Society, Transactions*, 32(1): 21-51, Plates 3-5.

► See *Hemerobius moestus* Banks, pp. 31-32, and *H. pacificus* Banks, p. 33; both including Grand Canyon.

Barber, H. G. [Barber, Harry Gardner]

1910 19.3572 Some Mexican Hemiptera-Heteroptera new to the fauna of the United States. *New York Entomological Society, Journal*, 18(1) (March): 34-39.

► See p. 39: "*Milyas spinicollis* Champ. This was collected by Professor E. B. Wilson, of Columbia University, in the Grand Cañon of the Colorado along Bright Angel Trail." (ENTIRE NOTE)

1938 19.5491 A new genus and species of the subfamily Triatominae (Reduviidae: Hempitera). *Entomological Society of Washington, Proceedings* (Washington, D.C.), 40(4) (April): 104-105.

► *Paratriatoma hirsuta*, new genus, new species; paratypes from Phanton [*sic*] Ranch, Grand Canyon. (Phantom Ranch is consistently misspelled in this paper.)

Barnes, William, AND Benjamin, F. H.

1926 19.5123 Notes on diurnal Lepidoptera, with additions and corrections to the recent "List of Diurnal Lepidoptera". *Southern California Academy of Sciences, Bulletin*, 25(3) (September/December): 88-98.

► Includes *Coenomympha fureae*, new species, type locality "Grand Canyon, Ariz." (p. 90); and *Cercyonis damei*, new species, type locality "Grand Canyon, Ariz." (p. 90).

Barr, William F.

1972 19.4322 New species of North American *Acmaeodera* (Coleoptera: Buprestidae). *Museu Boçage, Archivos* (Lisboa), Series 2, 2(7): 145-201.

► See *Acmaeodera pletura*, new species, pp. 164-166, Figure 12 (p. 199); "Additional paratypes" from North and South Rims of Grand Canyon (among other locales).

Bauer, David L.

1955 19.4938 Notes on the *Papilio machaon* complex in Arizona. *The Lepdopterists' News*, 9(1): 7-10.

1955 19.5049 A new race of *Papilio indra* from the Grand Canyon region. *The Lepdopterists' News*, 9(2/3): 49-54.

► *Papilio indra kaibabensis*, new subspecies; types from Bright Angel Point, Grand Canyon.

Baxter, Colden V.

2020 19.6581 [Remarks.] *In:* 追悼～中野繁氏を偲ぶ：バハカリフォルニア沖海難事故から20年 [Tsuitō ～ Nakano Shige-shi o shinobu: Bahakariforunia oki kainan jiko kara 20-nen] [Mourning—In memory of Mr. Shigeru Nakano: 20 years after the marine accident off the coast of Baja California]. 一般社団法人日本生態学会ニュースレター [Nihon seitai gakkai Nyūsuretā] [Ecological Society of Japan, Newsletter], 2020(5) (51) (May): 6-7. [In Japanese.]

► Includes remark (p. 7, *translated here*), "In the last few months, I have been able to publish several treatises that follow Mr. Nakano's footsteps . . . [including a] study that revealed the fact that aquatic insects, fish, and their interactions determine the circulation and fate of mercury between the Colorado River in the Grand Canyon and its banks."] [Author's name is given in Japanese orthography: コールデン・V・バクスター.

Baxter, Colden V.; Rosi-Marshall, Emma J.; Cross, Wyatt F.; Kennedy, Theodore A.; Wellard, Holly A.; Hall, Robert O.; AND Yard, Michael D.

2008 19.2762 A quantitative food web and ecosystem production budget for Glen Canyon, Colorado River [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 36.

► Glen Canyon Dam tailwater.

Beamer, L. D., AND Beamer, R. H.

1930 19.4512 Biological notes on some western cicadas. *New York Entomological Society, Journal*, 38(3) (September): 291-305.

► Grand Canyon, see *Diceroprocta apache*, p. 296.

Beamer, R. H.

1948 19.4363 Some new species of *Delphacodes* (Homoptera, Fulgoridae, Delphacinae); Part IV. *Kansas Entomological Society, Journal*, 21(3) (July): 96-110.

► See pp. 100-101, *D. apicata*, new species. Under "Macropterous Form", includes holomorphotype from "Grand Canyon, Ariz., Aug. 11, 1927, R. H. Beamer".

Beck, D. Elden

1929 19.5122 Bees of the sub-family Osminae in the collection of the Brigham Young University. *Brooklyn Entomological Society, Bulletin*, 24 (December): 303-306.

► See p. 304, "*Osmia coloradensis* Cresson. Arizona: 1 ♀ Rim Grand Canyon, Kaibab Forest ([identified by Vasco M.] Tanner)."

Bedford, Ashton; Sankey, Temuulen T.; Sankey, Joel B.; Durning, Laura E.; AND Ralston, Barbara E.

2017 19.5835 Remote sensing of tamarisk beetle (*Diorhabda carinulata*) impacts along 400 km of the Colorado River in the Grand Canyon, Arizona, USA [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest*

Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona. [No imprint], pp. 11-12.

2018 19.5812 Remote sensing of tamarisk beetle (*Diorhabda carinulata*) impacts along 412 km of the Colorado River in the Grand Canyon, Arizona, USA. *Ecological Indicators*, 89 (June): 365-375.

Bedford, Ashton; Sankey, Temuulen T.; Sankey, Joel B.; Durning, Laura E.; Ralston, Barbara E.; AND Bransky, Nathaniel D.

2019 19.6269 Remote sensing of tamarisk beetle (*Diorhabda carinulata*) impacts along 412 km of the Colorado River in the Grand Canyon, Arizona, USA [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 11.

Behan, Jeff

1995 19.222 The bug that changed history. *Boatman's Quarterly Review*, 8(2): 17.

Belk, Denton

1974 19.229 *Zoogeography of the Arizona Anostraca, with a key to the North American species.* Doctoral dissertation, Arizona State University.

1977 19.230 Zoogeography of the Arizona fairy shrimps (Crustacea: Anostraca). *Arizona-Nevada Academy of Science, Journal*, 12(2): 70-78.

1992 19.231 Observations on the clam shrimps of Arizona. *Arizona-Nevada Academy of Science, Journal*, 26(2): 132-138.

Belk, Denton, AND Fugate, Michael

2000 19.1980 Two new *Branchinecta* (Crustacea: Anostraca) from the southwestern United States. *Southwestern Naturalist*, 45(2) (June): 111-117.

► Includes *Branchinecta kaibabensis*, new species (pp. 115-117, figures 2b (p. 114), 3a-e (p. 116); type locality in "A natural pool 0.6 km east of Arizona Highway 67 just northeast of Forest Road 213 in the Kaibab National Forest".

Benesh, Bernard

1946 19.6358 A systematic revision of the Holarctic genus *Platycerus* Geoffroy (Coleoptera: Lucanidae). *American Entomological Society, Transactions*, 72(3) (September): 139-202.

► See *Platycerus marginalis* Casey, pp. 172-175, Plates 4, 6 (key on p. 200); distributional notes include "Kaibab Forest, VII, (V. M. Tanner)" (ENTIRE NOTE). *NOTE*: Although the ranger district on the Kaibab National Forest is not indicated, Vasco M. Tanner worked principally in Utah with explorations also on the Kaibab Plateau.

Bennett, Dayle D.

1982 19.2874 A pilot control project to evaluate acephate for control of pandora moth, *Coloradia pandora* Blake (Lepidoptera: Saturniidae), Jacob Lake, Arizona, 1981; North Kaibab Ranger District, Kaibab National Forest, Arizona. *U.S. Forest Service, Forest Pest Management Report R-3 82-10*, 36 pp.

1984 19.2875 Pandora moth suppression project using acephate, Jacob Lake, Arizona, 1983; Kaibab National Forest, Arizona. *U.S. Forest Service, Forest Pest Management Report R-3 84-10*, 18 pp.

Bennett, Dayle D.; Schmid, J. M.; Mata, S. A.; AND Edminster, C. B.

1987 19.244 Growth impact of the North Kaibab pandora moth outbreak. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-474*, 4 pp.

Bequaert, Joseph C.

1929 19.4502 A new *Pseudomasaris* from California, with some considerations on the masarid wasps (Hymenoptera). *Psyche*, 36(2) (June): 61-88.

► Under "Additional Records of Pseudomasaris", see p. 71, "*P. vespoides* (Cresson).—Arizona: Grand Canyon. 1 ♂ (G. P. Engelhardt)." (ENTIRE NOTE)

1932 19.6106 The Nearctic social wasps of the subfamily Polybiinae (Hymenoptera; Vespidae). *Entomologica Americana*, 13(3) (December): 87-149 (pagination includes Plates 27-29).

► See pp. 124, 125, and *Mischocyttarus flavitarsis* var. *kaibabensis*, new variety (p. 133), female holotype and paratype from Bright Angel Trail, Grand Canyon, collected by R. C. Shannon, August 4, 1917.

1940 19.6112 Notes on the distribution of *Pseudomasaris* and on the foodplants of the Masaridinae and Gayellinae (Hymenoptera, Vespidae). *Brooklyn Entomological Society, Bulletin*, 35(2) (April): 37-45.

► Under distribution *P. vespoides* Cresson (p. 37), only new localities are listed, including: "southern rim of Grand Canyon, 1 ♂ (Margaret L. Cook)".

Bertholf, Judy Kay

1979 19.3410 *Tiger beetles of the genus Cicindela in Arizona (Coleoptera: Cicindelidae).* Master's thesis, Texas Tech University, 94 pp.

Bestard, Margeaux

2020 19.6506 [Photo without legend. Very large moth on person's hand along Colorado River.] *Boatman's Quarterly Review*, 33(3) (Fall): 43.

Beutenmüller, William

1907 19.4065 Notes on a few North American Cynipidae, with descriptions of new species. *American Museum of Natural History, Bulletin*, 23: 463-466, Plate 37.

► See *Andricus wheeleri*, new species, p. 464, Plate 37, figures 7-9; from "Coconino Forest, rim of the Grand Cañon, Arizona; altitude 7,000 feet. (William M. Wheeler)."

Binford, Greta J.; Callahan, Melissa S.; Bodner, Melissa R.; Rynerson, Melody R.; Berea Núñez, Pablo; Ellison, Christopher E.; AND Duncan, Rebecca P.

2008 19.5144 Phylogenetic relationships of *Loxosceles* and *Sicarius* spiders are consistent with Western Gondwanan vicariance. *Molecular Phylogenetics and Evolution*, 49: 538-553.

► Taxon inclusion of individual genes (Table 1, p. 541) lists *Loxosceles kaiba*, from "USA: Grand Canyon NP, AZ". (No further text note.)

Blackman, M. W. [Blackman, Maulsby Willett]

1928 19.6421 The genus *Pityophthorus* Eichh. in North America: A revisional study of the Pityophthori, with descriptions of two new genera and seventy-one new species. *New York State College of Forestry at Syracuse University, Technical Publication 25* / *New York State College of Forestry at Syracuse University, Bulletin 3-b*, 212 pp.

► Includes *Pityophthorus grandis*, new species; holotype from Kaibab National Forest, Arizona.

1934 19.4374 A revisional study of the genus *Scolytus* Geoffroy (*Eccoptogaster* Herbst) in North America. *U.S. Department of Agriculture, Technical Bulletin 431*, 30 pp.

► See p. 19, *Scolytus robustus*, new species; paratype material "collected in Kaibab National Forest, Ariz."

Blinn, Dean W., AND Cole, Gerald A.

1991 19.273 Algal and invertebrate biota in the Colorado River: comparison of pre- and post-dam conditions. *In:* [National Research Council], Commission on Geosciences, Environment, and Resources, Water Science and Technology Board, Committee to Review the Glen Canyon Environmental Studies, *Colorado River ecology and dam management : proceedings of a symposium, May 24-25, 1990, Santa Fe, New Mexico.* Washington, D.C.: National Academy Press, pp. 102-123.

Blinn, Dean W., AND Ruiter, David E.

2006 19.2873 Tolerance values of stream caddisflies (Trichoptera) in the lower Colorado River basin, USA. *Southwestern Naturalist*, 51(3) (September): 326-337.

2009 19.6432 Caddisfly (Trichoptera) assemblages along major river drainages in Arizona. *Western North American Naturalist*, 69(3) (September): 299-308.

► Includes Colorado River localities in Grand Canyon, and Little Colorado River at Cameron and Colorado River confluence.

Blinn, Dean W.; Pinney, C.; Truitt, R.; AND Pickart, A.

1986 19.274 *The influence of elevated water temperatures on epiphytic diatom species in the tailwaters of Glen Canyon Dam and the importance of these epiphytic diatoms in the diet of* Gammarus lacustris *: final report.* Salt Lake City: U.S. Bureau of Reclamation.

Blocker, H. Derrick, AND Johnson, James W.

1988 19.5232 Classification of the subgenus *Athysanella*, genus *Athysanella* Baker (Homoptera, Cicadellidae, Deltocephalinae). *In:* Research in the Auchenorrhyncha, Homoptera: A Tribute to Paul W. Oman. *Great Basin Naturalist Memoirs*, (12): 18-42.

► Grand Canyon noted: *Athysanella globosa* Ball and Beamer (p. 23), *A. fredonia* Ball and Beamer (pp. 29-30).

Bloodworth, Benjamin R.

2019 19.6271 Current distribution and potential impacts of tamarisk beetle (*Diorhabda* spp.) across the Colorado River Basin [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 16.

2020 19.6403 Current distribution and potential impacts of tamarisk beetle (*Diorhabda* spp.) across the Colorado River Basin [ABSTRACT]. *In: Colorado River Terrestrial and Riparian (CRTR) Meeting, 2020 Annual Meeting, Aquarius Casino Resort, Laughlin, NV, January 28-30, 2020*.

Bloodworth, Benjamin R.; Shafroth, Patrick B.; Sher, Anna A.; Mannes, Rebecca B.; Dean, Daniel W.; Johnson, Matthew J.; AND Hinojosa Huerta, Osvel

2016 19.4976 Tamarisk beetle (*Diorhabda* spp.) in the Colorado River basin: synthesis of an expert panel forum. *Colorado Mesa University, Ruth Powell Hutchins Water Center, Scientific and Technical Report 1*, 20 pp. [including wraps].

Bohart, George E., AND Knowlton, George F.

1952 19.5251 Yearly population fluctuation of *Bombus morrisoni* at Fredonia, Arizona. *Journal of Economic Entomology*, 45(5): 890-891.

Bohart, R. M.

1958 19.6121 A new *Prionony*x and a key to the North American species (Hymenoptera: Sphecidae). *Brooklyn Entomological Society, Bulletin*, 53(4) (October): 90-93.

► *Priononyx subatrata*, new species; localities of paratype specimens include "Grand Canyon South Rim (M. A. Evans), Kaibab Forest (M. Wasbauer)".

Bongberg, Jack

1952 19.6422 Jack Bongberg (Albuquerque Laboratory). *In: Proceedings of the Fourth Annual Western Forest Insect Work Conference, Victoria, B. C., December 8-10, 1952*, p. 8.

► Includes brief remarks on budworm infestation on the North Rim of Grand Canyon National Park.

Boudreau, Diane

2004 19.2961 Terrible tigers of the desert. *Chain Reaction* (Arizona State University), 1(2): 18-19.

► Tiger beetles. North Rim of Grand Canyon, *in passing*.

Bousquet, Yves

2012 19.4049 *Catalogue of* Geadephaga *(Coleoptera, Adephaga) of America, north of Mexico. Trachypachidae-Trechini.* Sofia, Bulgaria; and Moscow, Russia: Pensoft Publishers, 1722 pp. (*ZooKeys*, 245(1): 1-1722 (Special Issue).)

► See p. 168, *Nebria georgei* Kavanaugh, 2008", from Grand Canyon; p. 313, *Cicindela hemorragica arizonae* Wickham, 1899, from Grand Canyon.

Boyle, Robert H.

1959 19.6884 An absence of wood nymphs; Vladimir Nabokov, famed author of "Lolita," and a renowned lepidopterist, seeks his favorite butterfly in Arizona. *Sports Illustrated*, (September 14):.

► Nabokov is interviewed when he and his wife are staying in a cabin at Forest Houses in Oak Creek Canyon, Arizona. Quoting Nabokov, he mentions, *in passing*, his Grand Canyon butterfly discovery, which he hopes now to find at Oak Creek.

Bradley, J. Chester

1919 19.2013 An entomological cross-section of the United States. *Scientific Monthly*, 8(4): 356-377, (5): 403-420, (6): 514-526.

► Grand Canyon, see pp. 357, 359, 519-520.

1977 19.2003 Bug men and botanists in Arizona. (With an introduction by Frank L. Lambrecht.) *Journal of Arizona History*, 18(4): 469-484.

► Lambrecht introduction, pp. 469-472; remainder reprinted from Bradley (1919).

Bromley, Stanley W.

1940 19.6113 New U.S.A. robber flies (Diptera: Asilidae). *Brooklyn Entomological Society, Bulletin*, 35(1) (February): 13-21.

► See *Erax benedicti*, new species; paratype material includes "2 females, Grand Canyon, Ariz., June 12, 1937 (W. Benedict)" (pp. 15-16, Figure 1 [p. 20]).

Brown, F. Martin

1967 19.3974 Dr. Edward Palmer's collecting localities in southern Utah and northwestern Arizona. *Lepidopterists' Society, Journal*, 21(2): 129-134.

Brown, Larry N.

1984 19.363 Population outbreak of pandora moths (*Coloradia pandora* Blake) on the Kaibab Plateau, Arizona (Saturniidae). *Lepidopterists' Society, Journal*, 38(1): 65.

Brown, Nikolle L.

2001 19.2143 "D"-flies: Which is a dragon? Which is a damsel? *The Waiting List* (Grand Canyon Private Boaters Association), 5(3) (Fall): 9.

2004 19.2494 Critters in the canyon; Tarantulas and tarantula hawks. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 7(1) (Fall): 43.

Bruner, Lawrence

1904 19.372 The Acridiidae. *In: Biologia Centrali-Americana. Insecta. Orthoptera. Volume II. The Acridiidae by Prof. Lawrence Bruner, B.Sc. [the Tettiginae by Albert P. Morse], and the Phasmidae by Robert Shelford, M.A., F.L.S., C.M.Z.S.* [No imprint], 412 pp., 8 plates [square brackets thus]. [*Series imprint*: London: R. H. Porter, *for* the editors.]

► See p. 46, *Syrbula modesta*. Volume II (1900-1909) issued in parts with dated signatures; signature GG (pp. 41-48) is dated January, 1904. See also Rehn and Hebard (1912, ITEM NO. 19.1386) for lectotypifications of selected species.

Bryner, Jeanna

2007 19.2934 New albino millipedes discovered; "living fossils" will help researchers understand how life evolution [*sic*]. *C.O.G.nizance* (National Speleological Society, Central Oklahoma Grotto), (March/April): 5. ("Reprinted from Livescience.com".)

► J. Judson Wynne research in Grand Canyon caves.

Bunn, Ralph W.

1930 19.4310 Notes on the genus *Aphelonema* Uhler with descriptions of new species (Homoptera, Fulgoridae). *Kansas Entomological Society, Journal*, 3(3) (July): 73-77.

► See p. 76, *Aphelonema convergens* var. *canyonensia*, new variety; holotype from "vicinity of Grand Canyon", and some paratypes from "Grand Canyon".

Burke, H. E.

1907 19.3653 A new buprestid enemy of *Pinus edulis*. (*Melanophila pini-edulis*, n. sp.) *Entomological Society of Washington, Proceedings* (Washington, D.C.), 9(1/4) (March/December): 117-118.

► *Melanophila piniedulis*, new species, based in part on "One female taken by Mr. E. A. Schwarz from pinyon (*Pinus edulis*) at Bright Angel Hotel (Grand Canyon P.O.), Arizona, on July 11, 1902." (p. 118).

Byars, Betty

1982 19.399 Insect density and diversity on Colorado River beaches. Part I. Sweep net trapping. *In: Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 44-55.

1984 19.400 Insect diversity and density on Colorado River beaches, 1983. *In:* Beus, Stanley S., and Carothers, Steven W. (eds.), *Colorado River Investigations II : July/August 1983.* Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 126-132.

1984 19.401 Further investigations on *Pogonomyrmex* ants on Colorado River beaches in Grand Canyon. *In:* Beus, Stanley S., and Carothers, Steven W. (eds.), *Colorado River Investigations II : July/August 1983.* Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 133-142.

C

Cain, D. L.; Croteau, M.-N.; Fuller, C. C.; Barasch, D.; Beisner, K.; AND Schenk, E.

2017 19.5836 Uranium exposure in spring outflows within Grand Canyon National Park [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 28.

► Data based on studies of insect taxa.

Carlisle, Daren M.; Wolock, David M.; Konrad, Christopher P.; McCabe, Gregory J.; Eng, Ken; Grantham, Theodore E.; AND Mahler, Barbara

2019 19.6368 Flow modification in the nation's streams and rivers. *U.S. Geological Survey, Circular 1461*, 75 pp. (The Quality of Our Nation's Waters.)

► See p. 63, "Dam Operations Adjusted to Mitigate the Ecological Consequences of Streamflow Fluctution", which relates to the management of Glen Canyon Dam and to acquatic insects in the Colorado River downstream.

Carothers, Steven W.; Johnson, R. Roy; AND Kingsley, Kenneth J.

2020 19.6502 A naturalized riparian ecosystem: Consequences of tamarisk leaf beetle (*Diorhabda* spp.) biocontrol. *In:* Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M.; Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, pp. 18-46.

Carothers, Tanner

2017 19.5784 Mites in Grand Canyon. *Boatman's Quarterly Review*, 30(2) (Summer): 4-6.

Carter, E. E.

1922 19.4079 Statement of Mr. E. E. Carter, Forest Service. *In:* U.S. House of Representatives, House Committee on Appropriations, Subcommittee, *Second Deficiency Appropriation Bill, 1923. Hearing before Subcommittee of House Committee on Appropriations : consisting of Messrs. Martin B. Madden (Chairman), Joseph G. Cannon, Daniel R. Anthony, Jr., Patrick H. Kelley, William R. Wood, Joseph W. Byrns, Thomas U. Sisson, and James A. Gallivan, in charge of deficiency appropriations : Sixty-seventh Congress, Fourth Session.* Washington, D.C.: U.S. Government Printing Office, pp. 53-63.

► See "Insect Infestation in Grand Canyon National Park", p. 56. North Rim and Kaibab National Forest.

Casey, Thomas L.

1895 19.4537 Coleopterological notices. VI. *New York Academy of Sciences, Annals*, 8 (July): 435-838.

► See: *Trichochrous incipiens*, new species, based on a single female specimen from "Arizona (near the Grand Cañon of the Colorado). Dr. T. Mitchell Prudden." (pp. 489-490); and *T. reversus*, new species, based on a single female specimen from "Arizona (near the Grand Cañon of the Colorado)", from Dr. T. Mitchell Prudden (pp. 527-528).

1900 19.3610 Review of the American Corylophidae, Cryptophagidae, Tritomidae and Dermestidae, with other studies. *New York Entomological Society, Journal*, 8(2) (June): 51-172.

► Grand Canyon collections noted for: *Cryptorhopalum pruddeni*, new species, p. 156; *Orphilus aequalis*, new species, p. 164.

1907 19.4409 Notes on *Chalcolepidius* and the Zopherini. *Canadian Entomologist*, 39(2) (February): 29-46.

► See p. 41, *Zopherodes lugubris*, new species, and *Z. pruddeni*, new species described from "Arizona (Grand Canyon of the Colorado)". *Zopherodes* is also a new genus in this publication (p. 38).

1908 19.6207 A revision of the tenebrionid subfamily Coniontinæ. *Washington Academy of Sciences, Proceedings* (Washington, D.C.), 10 (April 25): 51-166.

► See *Discodemus brevipennis*, new species (p. 61); "Arizona (Grand Canyon of the Colorado),—T. Mitchell Prudden".

1909 19.6208 Studies in the American Buprestidæ. *Washington Academy of Sciences, Proceedings* (Washington, D.C.), 11(2) (April 28): 47-178.

► See *Buprestis subornata* Leconte (p. 98); localities include "Arizona (Grand Canyon of the Colorado)".

1912 19.3608 Studies in the Longicornia of North America. *In:* Casey, Thomas L., *Memoirs on the Coleoptera. III.* Lancaster, Pennsylvania: New Era Printing Co., pp. 215-386.

► Grand Canyon collections noted for: *Prionus spiculosus*, new species, p. 240; *P. angustulus*, new species, p. 241; *P. fissifrons*, new species, p. 243; *P. terminalis*, new species, pp. 243-244; *Stenosphenus pruddeni*, new species, pp. 346-347.

1918 19.3787 A review of the North American Bembidiinæ. *In:* Casey, Thomas L., *Memoirs on the Coleoptera. VIII. 1918.* Lancaster, Pennsylvania: New Era Printing Co., pp. 1-223.

► See *Bembidion (Cyclolopha) occultum*, new subgenus, new species (p. 144), type specimen from "Grand Cañon of the Colorado", collected by T. Mitchell Prudden.

Causey, N. B.

1975 19.428 Desert millipedes (Spirostreptidae, Spirostreptida) of the southwestern United States and adjacent Mexico. *Texas Tech University Museum, Occasional Papers*, (35), 12 pp.

► See *Orthoporus ornatus* (Girard) (pp. 5-7), which includes (p. 7) new record, "Coconino Co., floor of the Grand Canyon"; with credit (p. 11), "Fred Wagner made the collection from the floor of the Grand Canyon of the Colorado, which established a new northwestern record". (No further notes pertaining to the Grand Canyon material.)

Center for Biological Diversity

2015 19.4834 *Before the Secretary of the Interior: Emergency petition to list the Arizona wetsalts tiger beetle (*Cicindela haemorrhagica arizonae*) and the MacDougal's yellowtops (*Flaveria macdougalii*) as Endangered or Threatened under the Endangered Species Act.* [No place]: Center for Biological Diversity, [4], 20 pp.

► Grand Canyon region. Includes riparian concerns relating to groundwater discharge.

Chamberlin, Ralph V.

1940 19.4341 New American tarantulas of the family Avicylariidae. *University of Utah, Bulletin*, 30(13) (May 6), 39 pp.

► See *Aphonopelma behlei*, new species, from Grand Canyon Village (pp. 26-27), and *A. phasmus*, new species, from Phantom Ranch, Grand Canyon (p. 28).

1948 19.4376 On some American spiders of the family Erigonidae. *Entomological Society of America, Annals*, 41(4): 483-562.

► Includes *Tapinocyba kesimba*, new species, from V.T. Ranch (VT Ranch), Kaibab Plateau.

Chamberlin, Ralph V., AND Ivie, Wilton

1942 19.4378 A hundred new species of American spiders. *University of Utah, Bulletin*, 32(13) (June 30) [Biological Series, 7(1)], 117 pp.

► See: *Oecobius parvus*, new species, from Virgin River narrows (p. 13)
Neoantistea coconino, new species, from "Kaibab Forest, Arizona" [coordinates indicate area of South Rim of Grand Canyon] (pp. 28-29, Plate 6, figures 59, 60)
Linyphantes ephedrus, new species, localities include Virgin River narrows (pp. 46-47, Plate 10, figures 104-107)
Metepeira arizonica, new species, localities include Virgin River narrows (p. 69, Plate 14, figures 182-184; Plate 15, figures 185-187).

Chandler, Peter

1993 19.5494 The Holarctic species of the *Mycetophila fungorum* (De Geer) group (Diptera: Mycetophilidae). *British Journal of Entomology and Natural History*, 6: 5-11.

► See *Mycetophila neofungorum*, new species; "Holotype male USA, Arizona, Grand Canyon National Park (north rim), 15.vii.1954 (W. L. Downes, Natural History Museum, London)." (Brief taxonomic description only. Apparently a unique specimen.)

Chavez, J. L., AND Stevens, Lawrence E.

2015 19.4845 Assassin bug (Hemiptera: Reduviidae) diversity and biogeography in the Colorado River Basin, with an emphasis on the Colorado Plateau ecoregion, southwest USA [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 18.

Chen, Chang

1999 19.5248 *Genetical and molecular systematic study on the genus* Montagnea *Fr., a desert adapted Gasteromycete.* Master's thesis, Virginia Polytechnic Institute and State University, 74 pp.

► Specimens examined for the study include *Montagnea arenaria* (DC) Zeller, with included material from "Coconino County, Jacob Lake, House Rock Valley, July 26, 1955, Coll. H. E. Ahles. HEA9515 (MICH)" (p. 14).

Chen, Zhong; Clancy, Karen M.; AND Kolb, Thomas E.

2003 19.2855 Variation in budburst phenology of Douglas-fir related to western spruce budworm (Lepidoptera: Tortricidae) fitness. *Journal of Economic Entomology*, 96(2): 377-387.

Chen, Zhong; Kolb, Thomas E.; Clancy, Karen M.; Hipkins, Valerie D.; AND DeWald, Laura E.

2001 19.2905 Allozyme variation in interior Douglas-fir: association with growth and resistance to western spruce budworm herbivory. *Canadian Journal of Forest Research*, 31(1): 1691-1700.

► Includes trees from near Jacob Lake, Arizona.

Clarke, J. F. Gates

1947 19.2185 Notes on Oecophoridae, with descriptions of new species. *Washington Academy of Sciences, Journal* (Washington, D.C.), 37(1): 2-18.

► Moths. Includes *Depressaria schellbachi*, new species from Shoshone Point.

Cleland, Sophia; Hocutt, Gregory D.; Breitmeyer, Christopher M.; Markow, Therese A.; AND Pfeiler, Edward

1996 19.446 Alcohol dehydrogenase polymorphism in barrel cactus populations of *Drosophila mojavensis. Genetica*, 98(1) (July): 115-117.

► Entomology; host plant barrel cactus, *Ferocactus acanthodes*. Populations studied from Agua Caliente, California, and the Grand Canyon, Arizona.

Cleveland, Danielle; Hinck, Jo Ellen; AND Lankton, Julia S.

2019 19.5983 Assessment of chronic low-dose elemental and radiological exposures of biota at the Kanab North uranium mine site in the Grand Canyon watershed. *Integrated Environmental Assessment and Management*, 15(1) (January): 112-125 + Supporting Information online, https://seta.onlinelibrary.wiley.com/doi/abs/10.1002/ieam.4095, 21 pp.

2021 19.6559 Elemental and radionuclide exposures and uptakes by small rodents, invertebrates, and vegetation at active and post-production uranium mines in the Grand Canyon watershed. *Chemosphere*, 263 (January): (127908) (https://doi.org/10.1016/j.chemosphere.2020.127908) + research data online (Chemical analyses and histopathology of organisms and plants collected from breccia pipe uranium mine sites in the Grand Canyon wateshed, 2015-2020, U.S. Geological Survey data release (https://doi.org/10.5066/P94OVQO9 [also as https://www.sciencebase.gov/catalog/item/5f40097182ce8df5b6cb4221]).

Cockerell, T. D. A. [Cockerell, Theodore Dru Alison]

1895 19.449 Additions to the list of U.S. Hymenoptera. *Canadian Entomologist*, 27 (April): 134.

► Includes *Smicra divisa* Walker, collected at "Grand Canon, Arizona" by C. H. T. Townsend, July 8, 1892.

1905 19.4540 New American bees. *Biological Society of Washington, Proceedings* (Washington, D.C.), 18: 177-184.

► See p. 184, *Triepeolus hopkinsi*, new species; "Grand Canyon of the Colorado, Arizona, August 3, 1904. (Webb). Received from Mr. Viereck, to whom it has been returned. It is named after professor Hopkins, who sent it to Mr. Viereck, and who has done good work in the region of the Grand Canyon." [A. D. Hopkins?]

1905 19.3564 *Diadasia* Patton: A genus of bees. *American Naturalist*, 39 (October): 741-745.

► See distribution list, p. 745; includes *D. diminuta* Cresson from Grand Canyon.

1912 19.3309 Some Coccidæ from the Grand Cañon, Arizona. *Canadian Entomologist*, 44(10) (October): 301.

► Described from collection made during a visit by "Mr. E. Bethel"; presumably South Rim.

Coelho, Joseph R.; Holliday, Charles W.; AND Hastings, Jon M.

2011 19.4268 The geographic distributions of cicada killers (*Sphecius*; Hymenoptera, Crabronidae) in the Americas. *Open Entomology Journal*, 5: 31-38.

► In Grand Canyon and lower Colorado River regions includes *S. grandis* Say and *S. convallis* Patton.

Cole, A. C., Jr.

1932 19.5199 The relation of the ant, *Pogonomyrmex occidentalis* Cr., to its habitat. *Ohio Journal of Science*, 32(2) (March): 133-146.

► "I have observed it at the following specific localities: [. . .] *Arizona.*—Grand Canyon, Williams, Cameron and Lee's Ferry." (pp. 133, 134) (ENTIRE NOTE)

1936 19.4415 Descriptions of seven new western ants. (Hymenop.: Formicidae.) *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 47 (May): 118-121.

► See p. 120, *Myrmecocystus melliger* subsp. *semirufus* Emery var. *romainei*, new variety; "Described from a series of 54 workers taken by Miss Marjorie Romaine, at Cameron, Arizona."

1937 19.6541 An annotated list of the ants of Arizona (Hymen.: Formicidae). *Entomological News*, 48 (April): 97-101, (May): 134-140.

1938 19.4419 Descriptions of new ants from the western United States. *American Midland Naturalist*, 20 (September): 368-373.

► See *Myrmecocystus melliger* subsp. *semirufus* Emery, pp. 371-372; describing specimens collected 10 miles south of Cameron, Arizona.

1956 19.4384 Observations of some members of the genus *Pheidole* in the southwestern United States with synonymy (Hymenoptera: Formicidae). *Tennessee Academy of Science, Journal*, 31(2) (April): 112-118.

► See *Pheidole pilifera artemisia* Cole, specimens collections include those from The Gap north of Cameron, "Kaibab National Forest, 25 mi. N. of Marble Canyon" (p. 113); *Pheidole sitarches* complex, collections include those from "20 mi. S. of Marble Canyon", "27 mi. N. of Cameron" (pp. 114-116).

Cole, Gerald A.

1961 19.2144 Some calanoid copepods from Arizona with notes on congeneric occurrences of *Diaptomus* species. *Limnology and Oceanography*, 6(4) (October): 432-442.

► See: *Diaptomus nudus* Marsh 1904 (pp. 433-434): "[In Arizona] I have found it in 7 locations. These include two ponds on the North Rim of the Grand Canyon National Park, and three ponds in the Kaibab National Forest north of the Grand Canyon".

Diaptomus shoshone Forbes 1893 (p. 434): "This high-altitude species of the western states has not been reported previously from Arizona. It was collected in a pool at an altitude of about 9,000 ft in the Kaibab National Forest north of Grand Canyon National Park".

Colton, Harold S.

1944 19.468 The anatomy of the female American lac insect, *Tachardiella larrea. Museum of Northern Arizona, Bulletin 21*, 24 pp.

Coquillett, D. W.

1902 19.3592 New acalyptrate Diptera from North America. *New York Entomological Society, Journal*, 10(4) (December): 177-191.

► See *Trypeta varipennis*, new species, p. 180; "Bright Angel Hotel, brink of Grand Canyon".

Count, E. W. [Count, Earl W.]

1929 19.482 Cricket notes. *Grand Canyon Nature Notes*, 3(12) (August 31): 4-5.

1994 19.499 Cricket notes. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 79-80.

► Reprinted from *Grand Canyon Nature Notes*, August, 1929.

Crawford, C. S.; Bercovitz, K.; AND Warburg, M. R.

1987 19.509 Regional environments, life-history patterns and habitat use of spirostreptid millipedes in arid regions. *Linnean Society, Zoological Journal*, 89: 63-88.

Creighton, William S.

1930 19.3582 The New World species of the genus *Solenopsis* (Hymenop. Formicidae). *American Academy of Arts and Sciences, Proceedings*, 66(2) (December): 39-152.

► Ants. See *S. (Solenopsis) xyloni* subsp. *aurea* (Wheeler), pp. 103-104, plate 3, figure 2. Includes note of activity observed near bottom of Bright Angel Trail.

Cresson, Ezra T., Jr.

1919 19.4541 Dipterological notes and descriptions. *Academy of Natural Sciences of Philadelphia, Proceedings*, 71: 171-194.

► See: *Bombylius facialis*, new species, pp. 187-188, type male from "Rim of Grand Canyon, 7000 feet, alt., [typography thus] May 23, 1918, (F. M. Jones), [A.N.S.P. No. 6213]" [square brackets are part of quotation].

Callicera montensis Snow, 1892, "One specimen, Grand Canyon, 7000 feet alt., May, (F. M. Jones)." (p. 190).

Crews, Sarah C., AND Gillespie, Rosemary G.

2010 19.5172 Molecular systematics of *Selenops* spiders (Araneae: Selenopidae) from North and Central America: implications for Caribbean biogeography. *Linnean Society, Biological Journal*, 101: 288-322 + Supporting Information online.

► See "Appendix. Collecting localities and voucher numbers of all animals used in this study. Locality numbers refer to numbers in the Supporting Information (Figs[.] S1

and S2)." See p. 319, locality 165, "*Selenops debils* gp. species 1. USA: Arizona, Coconino Co., Monument Trail, flat near archaeological site, 36°25.309'N, 112°27.483'W" [North Rim, off of Bill Hall Trail]. No separate text mention. The map referred to in the Supporting Information, Figure 2-HI, only displays the generalized location of localities 159-169 on a low-resolution satellite-photo map of southwestern North America (http://onlinelibrary.wiley.com/store/10.1111/j.1095-8312.2010.01494.x/asset/supinfo/BIJ_1494_sm_Fig_2_HI.tif); it is not useful for locating individual localities.

Currie, Rolla P.

1903 19.3196 The Odonata collected by Messrs. Schwarz and Barber in Arizona and New Mexico. *Entomological Society of Washington, Proceedings* (Washington, D.C.), 5(4): 298-304.

► E. A. Schwarz and H. S. Barber. Includes collections by Barber made at Bright Angel Hotel and Indian Garden.

Curtis, William M., AND Stock, Michael J.

1991 19.530 Invertebrate species associated with various vegetation and habitat types in the Colorado River corridor, Grand Canyon National Park. *In: Colorado River Investigations #9 : July/August, 1990* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 141-149.

► Insects.

D

Dajoz, Roger

1985 19.5279 Répartition géographique et abondance des espèces du genre *Triplax* Herbst (Coléoptères, *Erotylidae*). *L'Entomologiste* (Revue d'amateurs) (Paris), 41(3) (June): 133-141. [In French.]

► Kaibab Plateau, see p. 140 and data plotted in Figure 1 (p. 137, legend p. 136).

Danforth, Bryan N.

1996 19.6613 Phylogenetic analysis and taxonomic revision of the *Perdita* subgenera *Macrotera*, *Macroteropsis*, *Macroterella* and *Cockerellula* (Hymenopera: Andrenidae). *University of Kansas, Science Bulletin*, 55(16) (November 1): 635-692.

► See throughout, but particularly *Perdita* (*Macroterella*) *opacella* Timberlake (pp. 668-669, figures 27c [p. 664], 34 [p. 669], 35 [distribution map, p. 670]); the holotype, a single female from Marble Canyon near Lee's Ferry, is noted.

Davis, William T.

1917 19.3593 Sonoran cicadas collected by Harry H. Knight, Dr. Joseph Bequaert and others, with descriptions of new species. *New York Entomological Society, Journal*, 25(4) (December): 203-215.

► See *Tibicen cinctifera* Uhler, p. 210; including Grand Canyon and Kaibab Plateau.

1919 19.2944 Cicadas of the genus *Cacama*, with descriptions of several new species. *New York Entomological Society, Journal*, 27 (March): 68-79, Plate 13. [*NOTE*: The running head for the article reads "Cicadas of the Genus Cicada."]

► See *Cacama valvata* (Uhler), pp. 70-72, which notes examined species: "Grand Canyon, Ariz., sage bush [*sic*] country half way level in Canyon, June 5, 1915, male (B. B. Fulton), D's Coll. Grand Canyon, Ariz., Indian Garden, June 9, 1916, male (Geo. P. Engelhardt), D's Coll. The two males from the Grand Canyon are smaller than the others in my collection."

1920 19.3321 North American cicadas belonging to the genera *Platypedia* and *Melampsalta*. *New York Entomological Society, Journal*, 28(2) (June): 95-135, Plate 5.

► See *Platypedia putnami* var. *lutea*, new variety, pp. 106-108, Plate 5, figure 4. Non-type material (not illustrated) includes specimens: "Moran's Point, Grand Canyon, June, 1901, two females, collection Am. Museum of Natural History. Grand Canyon, June 16, 1907, 7,000 ft., male (H. A. Kaeber), collection Academy [of] Natural Sciences of Philadelphia."

1921 19.3595 Records of cicadas from North America with descriptions of new species. *New York Entomological Society, Journal*, 29(1) (March): 1-16.

► See *Tibicen apache*, new species, pp. 3-5, Plate 1, figures 4-6; including Grand Canyon. Only type material from Florence, Arizona (extralimital to this bibliography) is illustrated.

1921 19.3322 Cicadas of the genus *Cacama*, with descriptions of several new species. *In:* Davis, William T., *North American cicadas : a collection of papers published in the Journal of the New York Entomological Society from 1915 to 1921*.

► Facsimile reprint of Davis (1919, ITEM NO. 19.2944), *New York Entomological Society, Journal*, 27 (March): 68-79, Plate 13; retains original pagination. See p. 71.

1921 19.3323 North American cicadas belonging to the genera *Platypedia* and *Melampsalta*. *In:* Davis, William T., *North American cicadas : a collection of papers published in the Journal of the New York Entomological Society from 1915 to 1921*.

► Facsimile reprint of Davis (1920, ITEM NO. 19.3321), *New York Entomological Society, Journal*, 28(2) (June): 95-135, Plate 5; retains original pagination. See p. 108.

1939 19.5125 New cicadas from North America and the West Indies. *New York Entomological Society, Journal*, (December): 287-302. [Volume is enumerated "XLXII" (*sic*).]

► See new record for Arizona, *Okanagana fumipennis* Davis (pp. 297-298), based on "a single colony of *fumipennis* 35 miles north of Williams, Coconino County, Arizona, on the Grand Canyon road", collected by Mr. and Mrs. John L. Sperry, June 21, 1937.

1942 19.4513 Notes on cicadas with descriptions of new species. *New York Entomological Society, Journal*, 50 (June): 169-187.

► Grand Canyon, see under "*Diceroprocta apache* and its varieties", pp. 172-174.

DeLong, Dwight M.

1964 19.5497 A monographic study of the North American species of the genus *Ballana* (Homoptera: Cicadellidae). *Ohio Journal of Science*, 64(5) (September): 305-370.

► See *Ballana balsa*, new species (pp. 319, 327, 339, 356); paratypes include 11 from "Grand Canyon, Arizona, July 28, 1936, R. H. Beamer".

Dennison, Philip E.; Coates, Austin; Hultine, Kevin; Nagler, Pamela; AND Glenn, Ed

2011 19.3903 Remote monitoring of tamarisk defoliation by the saltcedar leaf beetle [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*.

Deuser, Curtis E.

2011 19.4957 The Colorado River: A narrow ribbon of green—some are weeds and the beetles are coming! [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 120.

Dobzhansky, Th. [Dobzhansky, Theodosius]

1930 19.6261 The North American beetles of the genus *Coccinella*. *U.S. National Museum, proceedings*, 80(Article 4)(2904), 32 pp.

► See *Coccinella novemnotata* Herbst subspecies *degener* Casey. Localities noted in geographic distribution include "Grand Canyon, Bright Angel".

1937 19.3986 Further data on the variation of the Y chromosome in *Drosophila pseudoobscura*. *Genetics*, 22 (May): 340-346.

► Data include those from specimens collected in lower Colorado River region and Grand Canyon, "Type V (Race A)".

1958 19.2093 Genetics of natural populations. XXVII. The genetic changes in populations of *Drosphila pseudoobscura* in the American Southwest. *Evolution*, 12(3) (September): 385-401.

Doering, Kathleen C.

1939 19.5234 A contribution to the taxonomy of the subfamily Isiinae in America North of Mexico (Fulgoridae, Homoptera). *University of Kansas, Science Bulletin*, 26(2) (October 1): 83-167 (including Plates 13-22).

► See: *Bruchomorpha bunni*, new species pp. 119-121, Plate 20, figure 3, Plate 21, figure 15, Plate 22, figures 4, 4a, holotype from "Grand Canyon, Arizona"
Novellina bicolorata var. *inflata* Lindsay (p. 178), with paratypes noted from "Grand Canyon, Ariz."

Drost, Charles A.

2005 19.2589 Biology of stream caves in Grand Canyon National Park [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern*

Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0), p. 41.

Drost, Charles A., AND Blinn, Dean W.

1995 19.2878 *Invertebrate survey of Roaring Springs Cave, Grand Canyon National Park, September 1994.* [Flagstaff, Arizona: Northern Arizona University], *for* U.S. National Park Service, Denver Service Center, 13 pp. (Work Order 1443PX200094183.)

1997 19.572 Invertebrate community of Roaring Springs Cave, Grand Canyon National Park, Arizona. *Southwestern Naturalist*, 42(4): 497-500.

Dunford, James Christopher

2007 19.4351 *The genus* Speyeria *and the* Speyeria atlantis/Speyeria hesperis *complex: Species and subspecies accounts, systematics, and biogeography (Lepidoptera: Nymphalidae).* Doctoral dissertation, University of Florida, 245 pp.

► See p. 93, account for *Speyeria hesperis schellbachi* Garth, 1949, holotype from Neal Spring, North Rim of Grand Canyon. (For original subspecies description, *S. atlantis schellbachi*, see Garth, 1949, ITEM NO. 19.626.)

Durst, Scott L.; Theimer, Tad C.; Paxton, Eben H.; Sogge, Mark K.; AND Waskeiwicz, Marlyse C.

2005 19.2591 Consequences of the invasion of exotic saltcedar: An arthropod perspective [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 42.

Dyar, Harrison G.

1925 19.6655 Some new American moths (Lepidoptera). *Insecutor Inscitiae Menstruus* (Washington, D.C.), 13(1/3) (January/March): 1-19.

► See *Olyca subumbrella*, new species (p. 14), which notes for non-type material: ". . . I have taken larvae on the rim of the Grand Canyon, 7,000 feet, Arizona." (ENTIRE NOTE) (Type material is from New Mexico and Texas.)

E

Ehrhorn, Edw. M.

1899 19.3983 Five new Coccidæ. *Canadian Entomologist*, 31(1) (January): 5-7.

► Includes *Ripersia arizonensis*, new species, and *Dactylopius formicarii*, new species, both from "Thurber's Camp, Grand Canyon".

El-Haj, Suzanne, AND Ruvalcaba, Antonio

2021 19.6695 River connections—flowing rivers and monarch migration. *Boatman's Quarterly Review*, 34(4) (Winter 2021-2022): 14-17.

► Monarch butterflies, *Danaus plexippus*.

Elias, Scott A.; Mead, Jim I.; AND Agenbroad, Larry D.

1992 19.585 Late Quaternary arthropods from the Colorado Plateau, Arizona and Utah. *Great Basin Naturalist*, 52(1): 59-67.

► Insecta; see p. 63 and following.

Ellingson, Aaron R., AND Andersen, Douglas C.

2002 19.2272 Spatial correlations of *Diceroprocta apache* and its host plants: Evidence for a negative impact from *Tamarix* invasion. *Ecological Entomology*, 27(1) (February): 16-24.

Emmel, Thomas C.

1969 19.4719 Taxonomy, distribution and biology of the genus *Cercyonis* (Styridae). I. Characteristics of the genus. *Lepidopterists' Society, Journal*, 23(3): 165-175.

► Grand Canyon, see map, p. 167; *C. pegala damei*, pp. 169, 173.

1987 19.4008 The John Adams Comstock Award, 1987; the man we honor, John S. Garth. *News of the Lepidopterists' Society*, (6) (November/December): 77-78, 80.

► See p. 78, notice of Garth's work at Grand Canyon National Park, beginning 1946.

Emmel, Thomas C., AND Emmel, John F.

1967 19.588 The biology of *Papilio indra kaibabensis* in the Grand Canyon. *Lepidopterists' Society, Journal*, 21(1) (February 21): 41-48.

Engelhard, Michael, AND Kaspar, Thomas

2008 19.2745 Butterflies. *In:* 3 poached treasures. *Backpacker*, 37(6) (August): 50.

► Includes note of *Papilio indra kaibabensis* swallowtail butterfly, rare species from Grand Canyon sought by poachers. Text and photo credits noted in binding margin of page.

F

Fairweather, Mary Louise [Fairweather, Mary Lou]

1990 19.597 Biological evaluation of pest conditions and potential hazard trees in two campgrounds on the Kaibab National Forest, Arizona. Albuquerque: *U.S. Forest Service, Southwestern Region, State and Private Forestry, Forest Pest Management, Forest Pest Management Report R-3 90-3*, 8 pp.

Fairweather, Mary Lou; McMillin, Joel; Rogers, Terry; Conklin, Dave; AND Fitzgibbon, Bobbe

2006 19.5174 Field guide to insects and diseases of Arizona and New Mexico forests. *U.S. Forest Service, Southwestern Region, Management Report MR-R3-16-3*, 271 pp.

Fall, H. C.

1905 19.3601 Revision of the Ptinidae of boreal America. *American Entomological Society, Transactions*, 31(2/3): 97-296, Plate 7.

► See p. 217, *P. bistriatum* var. *arizonense*, new variety; p. 236, *C. grande*, new species; p. 244, *C. longulum*, new species; p. 250, *C. pingue*, new species; all including Grand Canyon.

1909 19.3603 Revision of the species of *Diplotaxis* of the United States. *American Entomological Society, Transactions*, 35(1) (January): 1-97.

► See p. 34, *D. conformis*, new species; including Grand Canyon.

1910 19.3602 Miscellaneous notes and descriptions of North American Coleoptera. *American Entomological Society, Transactions*, 36(2): 89-197.

► See p. 177, *Bruchus perplexus*, new species; including Grand Canyon.

1912 19.3599 A review of the North American species of *Collops* (Col.). *New York Entomological Society, Journal*, 20(4) (December): 249-274.

► See pp. 263-264, *C. bipunctatus* Say.

1915 19.3391 A revision of the North American species of *Pachybrachys*. *American Entomological Society, Transactions*, 41(3) (September): 291-486.

► See pp. 344-345, *P. arizonensis* Bowdich; pp. 447-449, *P. bivittatus* Say.

Ferris, G. F.

1931 19.6139 The sucking lice. *Pacific Coast Entomological Society, Memoir 1*, 320 pp.

► See p. 109, *Enderleinellus longiceps* Kellogg and Ferris; host and distribution notes include "from *Sciurus kaibabensis* from the Kaibab National Forest, Arizona" (ENTIRE NOTE)

Fisher, W. S.

1942 19.3332 A revision of the North American species of buprestid beetles belonging to the tribe Chrysobothrini. *U.S. Department of Agriculture, Miscellaneous Publication 470*, 275 pp.

► See pp. 37, 87, 91, 95, 111, 152, 172, 190.

Foote, Richard H.; Blanc, F. L.; AND Norrbom, Allen L.

1993 19.608 *Handbook of the fruit flies (Diptera: Tephritidae) of America north of Mexico.* Ithaca (New York) and London: Comstock Publishing Associates, 571 pp.

Fox, William Henry

1917 19.3111 *Museums of the Brooklyn Institute of Arts and Sciences : report upon the conditions and progress of the museums for the year ending December 31, 1916.* Brooklyn, New York, New York: Brooklyn Institute of Arts and Sciences.

► See "Department of Natural Science", under "Gifts", "Dr. R. Ottolengui. Insects from Grand Canyon, Arizona . . ."; no further elaboration.

Fox, William J.

1893 19.4538 New species of fossorial Hymenoptera. *Canadian Entomologist*, 25(5) (May): 113-117.

► See pp. 116-117, *Gorytes dentatus*, from "Grand Canyon, Arizona, '70 miles North of Flagstaff.' *(C. H. Tyler Townsend)."*

Francœur, A. [Francœur, André] [Francoeur, André]

1973 19.6448 Révision taxonomique des espèces Néarctiques du groupe *Fusca*, genre *Formica* (Formicidæ, Hymenoptera). *Société Entomologique du Québec, Mémoires / Entomological Society of Québec, Memoirs*, (3), 316 pp. [In French.]

► Ants. See: *Formica altipetens* (pp. 52-60), distribution of published and material examined includes "Kaibab Nat. Forest" and "North Rim, Grand Canyon" (p. 58), distribution map (p. 59)

Formica neoclara (pp. 84-94), "North Rim, Grand Canyon" (p. 91, but apparently not shown on distribution map, p. 93)

Formica argentea (pp. 141-152), "Bright Angel Trail et Coconino Forest dans la région du Grand Canyon" (p. 149) and text note of specimens examined from Grand Canyon (p. 148), distribution map (p. 151)

Formica neorufibarbis (pp. 215-228), "North Rim, Grand Canyon" (p. 225), distribution map (p. 227)

Formica gnava (pp. 238-245), "Indian Gardens . . . et Bright Angel Trail dans le Grand Canyon" (p. 244), distribution map (p. 207)

Formica occidua (pp. 254-259), "Bright Angel Trail dans le Grand Canyon" (p. 257), distribution map (p. 160).

Some distribution maps combine multiple species, thus maps may be separate from the species descriptions.

Freeman, H. A.

1963 19.4416 Type localities of the Megathymidae. *Journal of Research on the Lepidoptera*, 2(2): 137-141.

► See p. 140, under *Agathymus* Freeman: "[*A.*] *alliae* (Stallings and Turner), 15 mi. W. Cameron, Arizona, along canyon of Little Colorado R., elev. 5000 ft." (ENTIRE NOTE) See also Stallings and Turner (1957, ITEM NO. 19.4417).

Freytag, Paul H.

1962 19.4137 A new species of *Idiocerus* from the Southwest and a review of the related species (Homoptera: Cicadellidae). *Ohio Journal of Science*, 62(5) (September): 244-252.

► See *I. dolosus* Ball, pp. 245-246, Plate 1, which includes listing of Grand Canyon specimens.

Friedlander, Tim

1987 19.6153 Taxonomy, phylogeny and biogeography of *Asterocampa* Röber 1916 (Lepidoptera, Nymphalidae, Apaturinae). *Journal of Research on the Lepidoptera*, 25(4) (Winter 1986 [1987]: 215-338 (pagination includes Plates 1-22) [date of publication 31 December 1987].

► See: *Asterocampa celtis antonia* (W. H. Edwards, 1878) (pp. 243-254), specifically p. 252, "Garth's (1950) record of *A. leilia* from the Grand Canyon (Arizona) is also this subspecies of *A. celtis.*"

Asterocampa leilia (W. H. Edwards, 1874) (pp. 254-260), specifically p. 260, "The species reported as *A. leilia* from the Grand Canyon (Garth, 1950) are actually *A. celtis antonia* ('montis') (Reinthal, unpublished obs.)." (ENTIRE NOTES)

See also distribution map, Plate 1 (p. 315). The references are to Garth (1950, ITEM NO. 19.627).

Fritzinger, Carol (Fritz), AND Kennedy, Ted

2014 19.4239 FLY-CO news. *Boatman's Quarterly Review*, 27(1) (Spring): 8-9.

► Insect survey along Colorado River in Grand Canyon. Item also includes derivation of FLY-CO name for Grand Canyon Monitoring and Research Center foodbase lab.

Fulton, B. B.

1925 19.4313 Physiological variation in the snowy tree-cricket, *Oecanthus niveus* De Greer. *Entomological Society of America, Annals*, 18: 363-383.

► Grand Canyon, see pp. 377 (physiological observations relating to humidity), 378 (geographic distribution).

Furniss, Malcolm M.

2007 19.5911 A history of forest entomology in the Intermountain and Rocky Mountain areas, 1901 to 1982. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-195*, 40 pp.

► Includes Kaibab Plateau.

Furniss, R. L., AND Carolin, V. M.

1977 19.3761 Western forest insects. *U.S. Forest Service, Miscellaneous Publication 1339*, 654 pp.

► See p. 120, piñon needle scale, *Matsucoccus acalyptus* Herbert (McCambridge 1974); a "serious outbreak" noted at Grand Canyon National Park, *in passing*.

G

Gadgil, P. D., AND Flint, T. N.

1983 19.5187 Assessment of the risk of introduction of exotic forest insects and diseases with imported tents. *New Zealand Journal of Forestry*, 28(1): 58-67.

► Study performed by examining "45 tents accompanying incoming passengers at the Auckland International Airport from 3 to 9 December, 1981" (p. 58). See data in Appendix 1 (p. 66), which includes tent from "USA/Grand Canyon". Another tent from "USA/Arizona".

Gardner, Joel, AND Gibbs, Jason

2020 19.6989 The "red-tailed" *Lasioglossum* (*Dialictus*) (Hymenoptera: Halictidae) of the western Nearctic. *European Journal of Taxonomy*, 725:1-242 [entire number]. (Monograph urn:lsid:zoobank.org:pub:89FA8DDF-F4B9-417-A-A5AF-B2BC9660E024.) (https://doi.org/10.5852/ejt.2020.725.1167)

► See: *Lasioglossum* (*Dialictus*) *cactorum*, new species (pp. 32-39, figs. 16-18, 93C, 114A); holotype from Nevada; paratypes include (square brackets are part of quotation): "2 ♀♀ Grand Canyon Mile 1792 [*sic*]; [36°N, 112° W]; 11 Jun. 1953; G.D. Butler leg.; UAIC · 1♀ Grand Canyon Mile 32; [36°N, 112° W]; 6 Jun. 1953; G.D. Butler leg.; UAIC".

Lasioglossum (*Dialictus*) *miltolepoides*, new species (pp. 142-147, figs. 61-63, 90I, 97B, 103B, 113A); holotype from Utah; paratypes include (square brackets are part of quotation): "1 ♀ Grand Canyon Mile 0; [36°N, 112° W]; 6 Jun. 1953; G.D. Butler leg.; UAIC · 2♀♀ Grand Canyon Mile 20.4; [36°N, 112° W]; 6 Jun. 1953; G.D. Butler leg.; UAIC".

Localities as cited are here interpreted as being along the Colorado River.

Garrigues, Roy M. [Garrigues, Roy McEndree, III]

1965 19.625 A *Cuterebra* (Diptera: Cuterebridae) infestation in the Grand Canyon rattlesnake, *Crotalus viridis abyssus*, with a list of those recorded from other hosts. *Kansas Academy of Science, Transactions*, 67(4) (Winter 1964): 689-692. [Issue no. 4 published 17 February 1965.]

Garth, John S.

1949 19.626 Studies in Arizona Lepidoptera. I. A new subspecies of *Speyeria atlantis* (Edwards) from the Kaibab Plateau, Grand Canyon National Park. *Southern California Academy of Sciences, Bulletin*, 48(Part 1): 1-4.

► *Speyeria atlantis schellbachi* Garth, male holotype and female allotype from Neal Spring, North Rim of Grand Canyon; 20 paratypes from various Kaibab localities.

1950 19.627 Butterflies of Grand Canyon National Park. *Grand Canyon Natural History Association, Bulletin 11*, 52 pp.

Gelhaus, Jon K.

2005 19.6147 Systematics and biogeography of the desert crane fly subgenus *Tipula* (*Eremotipula*) Alexander (Diptera: Tipulidae). *American Entomological Society, Memoir 46*, 235 pp.

Gertsch, Willis J.

1933 19.6334 New genera and species of North American spiders. *American Museum Novitates*, (636), 28 pp.

► See *Misumenops coloradensis*, new species (p. 17, figures 15 [p. 12], 46 [p. 24]); "Female paratypes from Grand Canyon (North Rim), Arizona, and Kanab, Utah."

1933 19.6335 Diagnoses of new American spiders. *American Museum Novitates*, (637), 14 pp.

► See Figure 11 (p. 8), "*Allocosa noctuabunda* Montgomery, Palpus", which is not otherwise mentioned in this text. However, Gertsch (1934, ITEM NO. 19.6336), erects the new species *A. mokiensis* based on this figure, the holotype of which is there noted as from Indian Gardens, Grand Canyon.

1934 19.6336 Notes on American Lycosidae. *American Museum Novitates*, (693), 25 pp.

► See *Arctosa mokiensis*, new species (p. 8); "Male holotype from Indian Gardens, Grand Canyon, Arizona, May 26, 1905." [In synonymy is *A. noctuabanda* as figured by Gertsch (1933, ITEM NO. 19.6335), p. 8, figure 11, which there is a species not otherwise mentioned.

1934 19.6140 Further notes on American spiders. *American Museum Novitates*, (726), 26 pp.

► See *Phidippus kaibabensis*, new species; "Male holotype from the Kaibab forest, near the north rim of the Grand Canyon, Arizona, July 8, 1931 (Gertsch)." (pp. 14-15, Figure 18 [p. 17]).

1935 19.2190 Spiders from the southwestern United States, with descriptions of new species. *American Museum Novitates*, (792), 31 pp.

► Collections include taxa from the Grand Canyon and Kaibab Plateau. None of the species described as new are from the area covered by this bibliography.

1939 19.6337 A revision of the typical crab-spiders (Misumeninae) of America North of Mexico. *American Museum of Natural History, Bulletin*, 76(Article 7): 277-442. ("This paper is part of a dissertation presented in partial fulfilment of the requirements for the degree of Doctor of Philosophy at the University of Minnesota.")

► See: *Misumenops oblongus* (Keyserling) (pp. 319-321), records include "Indian Gardens, Grand Canyon, July 24, 1934, female (Lutz)" *(continued)*

M. dubius (Keyserling) (pp. 325-326), records include "Phantom Ranch, Grand Canyon, July 26, 1934, female (F. E. Lutz)"

M. coloradensis Gertsch, records include "Kaibab forest, July 11, 1931, two females (Gertsch)

Xysticus apachecus Gertsch (pp. 356-357), records include "north rim of the Grand Canyon, July 7, 1932, male and four females (Gertsch)

X. locuples Keyserling (pp. 357-358), records include "Bright Angel Point, Grand Canyon, July 19 (Banks, 1902)".

1946 19.6338 Notes on American spiders of the family Dictynidae. *American Museum Novitates*, (1319), 21 pp.

► See *Mallos eutypus* Chamberlin and Gertsch (p. 8), records include "Phantom Ranch, Grand Canyon, July 26, 1934, females (F. E. Lutz)".

1958 19.4742 The spider family Diguetidae. *American Museum Novitates*, (1904), 24 pp.

► Includes female of *Diguetia canities* McCook, from Indian Garden, Grand Canyon.

1960 19.4848 The *fulva* group of the spider genus *Steatoda* (Araneae, Theridiidae). *American Museum Novitates*, (1982), 48 pp.

► See in particular *Steatoda variata*, new species (pp. 24-29 and figures 2 [p. 7, distribution map], 22-25 [p. 13], 34-44 [p. 17]), holotype male from The Gap, Arizona. Non-type records include "Twenty-five males north of The Gap . . . male, many females."

Gertsch, Willis J., AND Ennik, Franklin

1983 19.5009 The spider genus *Loxosceles* in North America, Central America, and the West Indies (Araneae, Loxoscelidae). *American Museum of Natural History, Bulletin*, 175 (Article 3): 264-360.

► See *Loxosceles kaiba*, new species, p. 303, Map 4 (p. 295), Figures 110-113 (p. 299), Figure 133 (p. 300). The specific epithet, *kaiba* [*sic*], is named "for Kaibab Plateau on north face of Grand Canyon" (p. 303). Holotype male, and female and immature specimens "from Thunder Cave" (Thunder River Cave). Also referred material from Cameron Cave, Grand Canyon National Park.

Giauque, Courtney; Yard, Michael D.; AND Coggins, Lewis G.

2005 19.2551 Inter- and intra-annual differences in the availability of drifting invertebrates near the Little Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 42.

Gitt, Werner

2003 19.5790 [Dragonflies.] *From:* Grand Canyon; the plants and animals [SECTION]. *In:* Vail, Tom, *Grand Canyon : a different view.* Green Forest, Arkansas: Master Books, p. 81.

► Creationist perspective.]

2018 19.5791 [Dragonflies.] *From:* Grand Canyon; the plants and animals [SECTION]. *In:* 湯姆 韦尔 [Vail, Tom], 大峡谷 ： 一个非凡的视野 [Dà xiágǔ : yīgè fēifán de shìyě] [Grand

Canyon : an extraordinary vision]. Green Forest, Arkansas: Master Books, p. 81. [In Chinese.]

► In the translation of Vail's (2003) *Grand Canyon : a different view*. Creationist perspective.

Glassbers, Jeffrey

2001 19.2040 *Butterflies through binoculars : the West : a field guide to the butterflies of western North America.* Oxford and New York: Oxford University Press, 374 pp.

Gould, Rowan W.

2011 19.3468 Endangered and Threatened wildlife and plants; petition to list Grand Canyon Cave Pseudoscorpion. *Federal Register*, 76(138) (July 19): 42654-42658.

► *Archeolarca cavicola* Muchmore, 1981 (see ITEM NO. 19.5001).

Graauw, Kristen de

2012 19.4623 *Tree-ring analysis of outbreak dynamics across an insect's entire range: The Pandora moth system.* Master's thesis, Indiana State University, Terre Haute, 92 pp.

► Study site locations include Jacob Lake, Ten X Campground, and Forest Service Road 22, all on Kaibab National Forest units.

Graham, Timothy B. [Graham, Tim B.]

1986 19.651 *Plant-herbivore interactions: Grasses and grasshoppers in Grand Canyon National Park.* Doctoral dissertation, Utah State University, 155 pp.

Graham, Timothy B., AND Norton, Roy A.

1998 19.3469 Uncharismatic microfauna of the Colorado Plateau: Notes on distribution and ecology of an undescribed, pothole-dwelling Ameronothrooid (Acari: Ameronthridae) mite. *In:* Hill, L. M., and Koselak, J. J., *Learning from the land: Grand Staircase-Escalante National Monument Science Symposium proceedings, Southern Utah University, Cedar City, UT, November 4-5, 1997*. Salt Lake City: U.S. Bureau of Land Management, pp. 477-483.

► Includes localities near Desert View, Grand Canyon.

Grissell, E. E.

1983 19.4649 *Boharticus*, n. gen., with a review of *Rhopalicus* Foerster and *Dinotiscus* Ghesquiere (Hymenoptera: Pteromalidae). *Pan-Pacific Entomologist*, 59(1/4): 78-102.

► New genus. See *Boharticus margaretae*, new species (pp. 86-87, Figures 2 (p. 81), 13 (p. 85), 17 (p. 85)); specifically, p. 87, citing paratype specimen (USNM) from "8 miles SW Peach Springs, 4500', 7 September 1964, C. W. O'Brien, ex *Juniperus*."

Gross, Peter

1974 19.6987 Scientist Syd spends successful sabbatical studying Big Bend bugs. *Faculty Exchange* (Millersville State College, Millersville, Pennsylvania), 7(9) (March 6): [unpaginagted, 2 pp.]

► Entomologist Sydney Radinovsky, Biology Department. Includes a paragraph noting that a stop at Grand Canyon National Park found him in a freak snowstorm at the bottom. No details.

H

Halbritter, Dale A.; Storer, Caroline G.; Kawahara, Akito Y.; AND Daniels, Jaret C.

2019 19.6486 Phylogeography and population genetics of pine butterflies: Sky islands increase genetic divergence. *Ecology and Evolution*, 9: 13889-13401 + Suplementary Information online, https://onlinelibrary.wiley.com/doi/full/10.1002/ece3.5793, (2, 7 pp.) + genetic data, code, alignments, and other output files: Dryad https://doi.org/10.5061/dryad.4mw6m906h.

► Sampling sites include two on the Kaibab Plateau (pine white butterfly, *Neophasia menapia*).

Hall, Jack C., AND Evenhuis, Neal L.

2003 19.5224 Review of the subgenus *Geron (Geron)* Meigen in the Nearctic region (Diptera: Bombyliidae: Toxophorinae). *Zootaxa*, (181): 1-72.

► See *Geron prosopidis*, new species; paratypes include 11 taken at "S Rim Grand Canyon, 21-22.vii.1932 (R.H. Painter)".

Hamilton, Chris A.; Hendrixson, Brent E.; AND Bond, Jason E.

2016 19.5488 Taxonomic revision of the tarantula genus *Aphonopelma* Pocock, 1901 (Araneae, Mygalomorphae, Theraphosidae) within the United States. *ZooKeys*, 560: 1-340 [entire number].

Hansman, Heather

2019 19.6055 Re-engineering the Colorado River. Can dam releases that mimic natural flows restore the Grand Canyon ecosystem? *Scientific American*, 320(2) (February): 64-69.

► Principal focus of article is on aquatic insect fauna along the Colorado River through Grand Canyon.

Haradon, Richard M.

1985 19.5230 New groups and species belonging to the nominate subgenus *Pauroctonus* (Scorpiones, Vaejovidae). *Journal of Arachnology*, 13: 19-42.

► See *Pauroctonus boreus* (Girard) (pp. 24-27); specifically, note of the holotype of *Vejovis aquilonalis* Stahnke from a locality south of Grand Canyon.

Hart, Robert J.; Vaughan, R. Greg; McDougall, Kristin; Wojtowicz, Todd; AND Thenkenbail, Prasad

2017 19.5679 The U.S. Geological Survey Flagstaff Science Campus; providing expertise on planetary science, ecology, water resources, geologic processes, and human interactions with the earth. *U.S. Geological Survey, Fact Sheet 2017-3051*, [2] pp.

► See "Southwest Biological Science Center", p. [1], which includes photo, "capturing aquatic insects on the Colorado River".

Harvey, Mark S., AND Wynne, J. Judson

2014 19.4593 Troglomorphic pseudoscorpions (Arachnida: Pseudoscorpiones) of northern Arizona, with the description of two new short-range endemic species. *Journal of Arachnology*, 42(3): 205-219.

► Includes new species, *Hesperochernes bradybaughi* and *Tuberochernes cohni*, both from "PARA-1001 Cave", Grand Canyon-Parashant National Monument. Other taxonomic acts in this paper: "the genus *Archeolarca* Hoff and Clawson is newly synonymized with *Larca* Chamberlin, and the following species are transferred from *Archeolarca* to *Larca*, forming the new combinations *L. aalbui* (Muchmore 1984), *L. cavicola* (Muchmore 1981), *L. guadalupensis* (Muchmore 1981) and *L. welbourni* (Muchmore 1981)" (from the abstract).

Hastriter, Michael W., AND Haas, Glenn E.

2005 19.5209 Bionomics and distribution of species of *Hystrichopsylla* in Arizona and New Mexico, with a description of *Hystrichopsylla dippiei obliqua*, n. ssp., (Siphonaptera: Hystrichopsyllidae). *Journal of Vector Ecology*, 30(2) (December): 251-262.

► See *Hystrichopsylla dippiei truncata* Holland, 1957 (pp. 257-260), which includes examined material from various localities on Kaibab Plateau (p. 257, figure 3L [p. 258]).

Hatten, James R.

2016 19.5147 A satellite model of southwestern willow flycatcher (*Empidonax traillii extimus*) breeding habitat and a simulation of potential effects of tamarisk leaf beetles (*Diorhabda* spp.), southwestern United States. *U.S. Geological Survey, Open-File Report 2016-1120*, 88 pp.

Haury, Loren R.

1981 19.4146 *Cladophora drift and planktonic crustaceans in the Colorado River: Lee's Ferry to Diamond Creek.* La Jolla, California: Scripps Institution of Oceanography, [1], 13, [11] pp.

1987 19.734 *Zooplankton of the Colorado River, Glen Canyon Dam to Diamond Creek.* La Jolla, California: Scripps Institute of Oceanography, *for* U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Salt Lake City, 59 pp.

1988 19.735 Zooplankton of the Colorado River, Glen Canyon Dam to Diamond Creek. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 205-215.

Hauser, Martin, AND Irwin, Michael E.

2003 19.5498 The Nearctic genus *Ammonaios* Irwin and Lyneborg 1981 (Diptera: Therevidae). *Entomological Society of America, Annals*, 96(6): 738-765.

► Includes *Ammonaios confusus*, new species; non-type material examined includes specimens from "11.3-14.5 km W Page", "32.2 km W Marble Canyon", and "Cameron".

Haverty, Michael I., AND Nelson, Lori J.

2007 19.3075 *Reticlitermes* (Isoptera: Rhinotermitidae) in Arizona: Multiple cuticular hydrocarbon phenotypes indicate additional taxa. *Entomological Society of America, Annals*, 100(2): 206-221.

► Samples analyzed include material from "Fredonia, [and] North Rim of the Grand Canyon", without further details.

Haverty, Michael I.; Nelson, Lori J.; AND Forschler, Brian T.

1999 19.3837 New cuticular hydrocarbon phenotypes of *Reticulitermes* (Isoptera: Rhinotermitidae) from the United States. *Sociobiology*, 34(1): 1-21.

► Includes collection localities: "North Rim, Grand Canyon" and "Hwy 89, 16km east of Jacob Lake".

Hayward, C. Lynn

1932 19.6107 The paper wasps of Utah; including a description of a new variety of *Polistes canadensis* Linn. *Utah Academy of Sciences, Proceedings*, 9: 85–101 (pagination includes Plate 9).

► Based on the author's Master's thesis, Brigham Young University, 1931. Includes *Polistes canadensis* var. *kaibabensis*, new variety; known certainly only from the type locality, Point Sublime, North Rim of Grand Canyon, with note also of "a very typical specimen" from El Tovar, South Rim of Grand Canyon. See also Snelling (1974, ITEM NO. 19.6108).

Headlee, Thomas J.

1906 19.3399 Blood gills of *Simulium pictipes*. *American Naturalist*, 40 (December): 875-885.

► See p. 876, reference to Townsend's observation of *Simulium* in Grand Canyon, *in passing*.

Hebard, Morgan

1920 19.3757 A revision of the North American species of the genus *Myrmecophila* (Orthoptera; Gryllidae; Myrmecophilinae). *American Entomological Society, Transactions*, 46: 91-111.

► See map, p. 97; *Myrmecophila manni* Schimmer, pp. 104-108; *M. nebrascensis* Lugger, pp. 108-111. South Rim localities noted.

Helfer, R. G.

1939 19.4923 Dominance modifiers of scute in *Drosophila pseudoobscura*. *Genetics*, 24 (March): 278-301.

► Strains include "Grand Canyon-3".

Hellenthal, Ronald A., AND Price, Roger D.

1989 19.4383 *Geomydoecus thomomyus* complex (Mallophaga: Trichodectidae) from pocket gophers of the *Thomomys talpoides* complex (Rodentia: Geomyidae) of the United States and Canada. *Entomological Society of America, Annals*, 82(3) (May): 286-297.

► See *Geomydoecus craigi*, new species; non-type material noted from "N rim Grand Canyon" and "Jacobs Lake, Kaibab Plateau", from *T. t. kaibabensis* Goldman.

Henry, Brianna L.; Croteau, Marie-Noele; Walters, David M.; AND Cain, Daniel J.

2017 19.5844 Bioaccumulation dynamics and transfer of uranium across metamorphosis in the mayfly *Neocloeon triangulifer* [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 71.

► Studies of material gathered along the Colorado River (locations not identified), as a model for understanding uranium mining impacts in the Grand Canyon region.

Henry, Brianna L.; Croteau, Marie-Noele; Walters, David M.; Miller, Janet L.; Cain, Daniel J.; AND Fuller, Christopher C.

2020 19.6560 Uranium bioaccumulation dynamics in the mayfly *Neocloeon triangulifer* and application to site-specific prediction. *Environmental Science and Technology*, 54(18): 11313-11321 + Supplemental Information online (https://pubs.acs.org/doi/10.1021/asc.est.0c03372), 7 pp.

► ". . . mayfly U concentrations were predicted using the water chemistry and U measured in periphyton from springs in Grand Canyon . . ." (from the abstract).

Henry, Thomas J.

2015 19.5496 Revision of the ceratocapsine *Renodaeus* group: *Marinonicoris*, *Pilophoropsis*, *Renodaeus*, and *Zanchisme*, with descriptions of four new genera (Heteroptera, Miridae, Orthotylinae). *ZooKeys*, 490: 1-156 [entire number].

► See *Ceratocapsidea fusiformis* (Van Duzee), new combination (pp. 32-39, 43, 129) (*Ceratocapsidea*, new genus). *Ceratocapsus clavicornis* Knight is placed in synonymy; type material examined, from Grand Canyon (see Knight, 1925, ITEM NO. 19.5495).

Hermann, Frederick J., AND Leese, B. M.

1956 19.2097 A grass (*Munroa squarrosa*) apparently cultivated by ants. *American Midland Naturalist*, 56(2) (October): 506-507.

► Locality noted as "about 18 miles east of Jacob Lake".

Hespenheide, Henry A.

2003 19.2856 New *Lechriops* species for the United States (Coleoptera: Curculionidae: Conoderinae). *The Coleopterists Bulletin*, 57(3): 345-352.

► The new taxa described are extralimital to this bibliography; biogeographical discussions are pertinent.

Hewes, Laurence Ilsley

1933 19.753 Butterflies—try and get them. *Sierra Club Bulletin*, 18: 47-55.

► See p. 55.

Hofknecht, Greg William

1981 19.776 *Seasonal community dynamics of aquatic invertebrates in the Colorado River and its tributaries within Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 105 pp.

Holigay, Tanya

2003 19.2363 Why are the trees orange? *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 1-2.

► Bark beetle infestation.

Hopkins, A. D.

1909 19.3654 Practical information on the scolytid beetles of North American forests. I. Barkbeetles of the genus *Dendroctonus*. *U.S. Bureau of Entomology, Bulletin 83, Part I*, 169 pp.

► Bark beetles. Distribution maps include Grand Canyon region and Kaibab Plateau.

Hopkins, Heidi

2014 19.5742 *Phylogenetic revision of the genus* Arenivaga *(Rehn) (Blattodea: Corydiidae), with descriptions of new species, a key to the males, and an investigation of its ecological niche.* Doctoral dissertation, University of New Mexico, 467 pp.

► *NOTE*: Acts of taxonomic nomenclature in this unpublished dissertation are not valid under the *International Code of Zoological Nomenclature*. See Hopkins (2014, ITEM NO. 19.4944) for nomenclatural acts in a validly published venue.

2014 19.4944 *A review of the genus* Arenivaga *(Rehn) (Blattodea, Corydiidae), with descriptions of new species and key to the males of the genus.* Sofia, Bulgaria; and Moscow, Russia: Pensoft Publishers, 256 pp. (*ZooKeys*, 384: 1-256 (Special Issue).)

► Includes new species from Grand Canyon:
Arenivago grandiscanyonensis (pp. 108-111), holotype from Colorado River Mile 211.5 Right
A. impensa (pp. 138-141), paratypes from Grand Canyon localities
A. pagana (pp. 177, 180-182), holotype from Colorado River Mile 202.5 Left.

Hopping, G. R.

1963 19.5573 North American species in Group IX of *Ips* De Geer (Coleoptera : Scolytidae). *Canadian Entomologist*, 97 (April): 422-434.

► See *Ips conjusus* (Leconte), pp. 425-429, which includes specimens examined from "Grand Canyon" (p. 428); *Ips lecontei* Swaine, pp. 433-434, which includes specimens examined from "Grand Canyon N. P." (p. 434).

Horn, George H.

1893 19.3589 The Galerucini of boreal America. *American Entomological Society, Transactions*, 20(2) (April/June): 57-136.

► See *Luperus wickhami*, new species, pp. 114-115; from Peach Springs, Arizona.

Hottes, F. C.

1956 19.2196 Two new species of *Cinara* from northern Arizona with illustrations of hitherto unfigured species and notes on *Schizolachnus flocculosa* (Williams) (Aphidae). *Biological Society of Washington, Proceedings* (Washington, D.C.), 69: 219-224.

Howard, L. O. [Howard, Leland O.]

1922 19.5905 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "Grand Canyon-Kaibab Control Project", p. 24.+

1924 19.5906 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "The Kaibab Control Project", p. 25.

1925 19.5907 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigation and Control of Western Bark Beetles"; specifically, "The Kaibab control project", p. 30.

1926 19.5908 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "The Kaibab National Forest and Grand Canyon National Park", p. 25.

1927 19.5909 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "Western Bark Beetles" (p. 25), with brief note of Kaibab National Forest.

Howard, Leland O.; Dyar, Harrison G.; AND Knab, Frederick

1915 19.3254 The mosquitoes of North and Central America and the West Indies. Volume Three; Systematic description (in two parts); Part I. *Carnegie Institution of Washington, Publication 159, Volume 3*, 523 pp.

► See under *Culiseta incidens* (pp. 478-483), Grand Canyon specimens cited, p. 482.

Hubbard, Clarence Andreson

1943 19.3395 The fleas of California; with checklists of the fleas of Oregon–Washington–British Columbia–Alaska–Idaho–Nevada–Arizona. *Pacific University Bulletin*, 39(8) (June): 1-12.

1947 19.791 *Fleas of western North America : their relation to the public health.* Copyright Iowa State College Press.

► Also a facsimile reprinting 1968, New York and London, Hafner Publishing Co., 533 pp.

J

Jacobi, W. R.; Goodrich, B. A.; AND Cleaver, C. M.

2011 19.5226 Firewood transport by national and state park campers: A risk for native or exotic tree pest movement. *Arboriculture and Urban Forestry*, 37(3): 126-138.

► Source area localities studied include Grand Canyon National Park and Lake Mead National Recreation Area.

Jamison, Levi R., AND Riper, Charles van, III

2012 19.3907 Population dynamics of the tamarisk leaf beetle (*Diorhabda carinulata*) within the Colorado River basin [ABSTRACT]. *2012 Tamarisk Coalition Symposium, February 15-17, Grand Junction, CO, Two Rivers Convention Center*.

2018 19.5819 Population dynamics of the northern tamarisk beetle (*Diorhabda carinulata*) in the Colorado River basin. *U.S. Geological Survey, Open-File Report 2018-1070*, 68 pp.

Jamison, Levi R.; Ament, Nate; AND Tate, Clark

2010 19.3901 Distribution and expansion of *Diorhabda carinulata* across the Colorado Plateau [ABSTRACT]. *2010 Tamarisk Symposium, January 12 and 13, Two Rivers Convention Center, Grand Junction, Colorado*.

Jamison, Levi R.; Riper, Charles van, III; AND Bean, Dan W.

2015 19.5114 The influence of *Tamarix ramosissima* defoliation on population movements of the northern tamarisk beetle (*Diorhabda carinulata*) within the Colorado Plateau. *In:* Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale.* Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)

Johannsen, Oskar Augustus

1903 19.3253 Aquatic nematocerous Diptera. *In:* Needham, James G., MacGillivray, Alex. D., Johannsen, O. A., and Davis, K. C., Aquatic insects in New York State. *New York State Museum, Bulletin 68* (Entomology, 18) [and concurrently, *University of the State of New York, Bulletin 295*], pp. 328-441.

▶ See p. 387, *Simulium* sp. found on Hance Trail.

Johnson, Elizabeth Joy

2001 19.4932 *The molecular evolution of the sex-ratio gene complex in* Drosophila persimilis*.* Master's thesis, University of Georgia, 37 pp.

▶ Includes *D. pseudoobscura* strains from "Grand Canyon, AZ" and "North Rim, AZ" (pp. 29, 31, 32).

Johnson, Matthew J.; Jamison, Levi; Ralston, Barbara E.; Makarick, Lori; AND Holmes, Jennifer

2012 19.4509 *2011 monitoring tamarisk foliage removal by the introduced tamarisk leaf beetle (*Diorhabda carinulata*), and its effects on avian habitat parameters along the Colorado River in Grand Canyon National Park, Arizona.* [No place]: U.S. National Park Service; *in cooperation with* Northern Arizona University, 71 pp. [Date of publication given on p. iv.]

Johnson, Matthew J.; Ralston, Barbara; Holmes, Jennifer A.; AND Calvo, Christopher

NO DATE 19.5992 *Task 4.5 final sampling/monitoring report : Arizona Water Protection Fund Grand; inventory of tamarisk leaf beetle and effects on riparian habitat in the Colorado, Verde, Salt and Tonto Rivers, 2011, 2012 and 2013.* Flagstaff, Arizona: Northern Arizona University, Colorado Plateau Research Station; and U.S. Geological Survey, Southwest Biological Science Center, *for* Arizona Water Protection Fund, 102 pp.

▶ Study area on Colorado River is between Glen Canyon Dam and Lees Ferry.

Johnson, Matthew J.; Ralston, Barbara; Makarick, Lori; AND Holmes, Jennifer

2011 19.3905 Status and implications of tamarisk beetle (*Diorhabda carinulata*) along the Colorado River in Glen and Grand Canyons [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*.

Johnson, Walter N.

1990 19.5290 A new subspecies of *Cicindela pusilla* Say from northern Arizona. *Cicindela*, 22(1) (March): 1-12.

► *Cicindela pusilla kaibabensis*, from "8 miles north of Kaibab Lodge".

Johnston, M. Andrew

2019 19.6338 Phylogenetic revision of the psammophilic *Trogloderus* Leconte (Coleoptera: Tenebrionidae), with biogeographic implications for the Intermountain Region. *PeerJ*, 7: e8039, doi:10.7717/peerj.8039, 45 pp. + Supplemental Information online.

► See: *Trogloderus skillmani*, new species (pp. 24-26), holotype from "USA: AZ: Mohave Co./6m [miles] E Colorado City/Rosy Canyon Road/1.5 m S UT state line"; 920 paratypes listed in Supplemental Information.

Trogloderus warneri, new species (pp. 30-31), 237 paratypes listed in Supplemental Information, including specimens from localities within the region covered by this bibliography.

No specimens in this study are from the Grand Canyon itself.

Johnston, M. Andrew; Fleming, David; Franz, Nico M.; AND Smith, Aaron D.

2015 19.5231 Amphidorini LeConte (Coleoptera: Tenebrionidae) of Arizona: Keys and species accounts. *In:* Thomas, Donald B., Smith, Aaron D., and Aalbu, Rolf L. (eds.), A tribute to Honorary Member Dr. Charles A. Triplehorn. *Coleopterists Society, Monograph 14*, pp. 27-54.

► See: *Eleodes* (*Caverneleodes*) *leptoscelis* Triplehorn (p. 48, figure 9B [p. 38]), from Cave of the Domes, Grand Canyon

Embaphion glabrum Blaisdell (p. 52, figure 2A [p. 30])

Also with note of favorable localities on the Arizona Strip.

Jones, Susan C.

1985 19.839 New termite records for the Grand Canyon. *Southwestern Entomologist*, 10(2) (June): 137-138.

2004 19.6024 New inland records of *Incisitermes minor* (Isoptera: Kalotermitidae) along the Colorado River. *Sociobiology*, 43(3): 565-572.

► In Colorado and Utah, but also notes earlier such collections in northern Arizona.

K

Kavanaugh, David H.

2008 19.2842 A new species of *Nebria* Latreille (Coleoptera: Carabidae: Nebriini) from the Grand Canyon, Arizona. *Carnegie Museum of Natural History, Annals*, 77(1) (July): 1-5.

► *Nebria (Reductonebria) georgei*. Holotype female from "River Mile 180.8R, Grand Canyon National Park; paratype from "Colorado River, Grand Canyon National Park, Coconino County".

Keen, F. P.

1952 19.4574 Insect enemies of western forests. *U.S. Department of Agriculture, Miscellaneous Publication 273*, revised, 280 pp.

► See Figure 62 (p. 14) and Figure 106 (p. 232), illustrating Black Hills beetle damage and control in Kaibab National Forest, Arizona. No text notes of Kaibab forest.

Kennedy, Theodore A. [Kennedy, Ted]

NO DATE 19.4406 *Citizen science—Quantifying food for the fishes of the Grand Canyon.* [AND] *Bugs, bugs, and more bugs! Common terrestrial insects caught in light traps.* U.S. Geological Survey, [2] pp. [2013?] [Fact sheet.]

Kennedy, Theodore A., AND Gloss, Steven P.

2005 19.2543 Aquatic ecology: the role of organic matter and invertebrates. *In:* Gloss, Steven P., Lovich, Jeffrey E., and Melis, Theodore S. (eds.), The state of the Colorado River ecosystem in Grand Canyon; a report of the Grand Canyon Monitoring and Research Center, 1991-2004. *U.S. Geological Survey, Circular 1282*, pp. 87-102.

2005 19.2559 Aquatic ecology: the role of organic matter and invertebrates (chapter 5). *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 21.

► Chapter 5 refers to ITEM NO. 19.2543.

2005 19.2596 Aquatic ecology: the role of organic matter and invertebrates [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 55.

Kennedy, Theodore A.; Cross, Wyatt F.; Baxter, Colden V.; Donner, Kevin C.; Rosi-Marshall, Emma J.; Hall, Robert O., Jr.; Behn, Kathrine; Kincaid, Dustin; AND Copp, A.

2010 19.4607 The use of invertebrate drift in combination with flow food webs to evaluate the effects of a controlled flood on a tailwater trout population [ABSTRACT]. *In: Aquatic Sciences: Global Changes from the Center to the Edge : abstract book, 2010 Summer*

Meeting, Joint Meeting with ASLO and NABS, 6-11 June 2010, Santa Fe, NM, USA, p. 124.

► Colorado River below Glen Canyon Dam. (Association for the Sciences of Limnology and Oceanography. North American Benthological Society.)

Kennedy, Theodore A.; Metcalfe, Anya; Deemer, Bridget R.; Ford, Morgan; Szydlo, Cheyenne; Yackulic, Charles; AND Muehlbauer, Jeffrey

2022 19.6725 Little bugs, big data, and Colorado River adaptive management: Preliminary findings from the ongoing bug flow experiment at Glen Canyon Dam. *Boatman's Quarterly Review*, 35(3) (Fall): 26-31.

Kennedy, Theodore A.; Muehlbauer, Jeffrey D.; Deemer, Bridget R.; Yackulic, Charles B.; Ford, M. A.; Szydlo, C.; AND Metcalfe, Anya N.

2022 19.6834 Experimental "Bug Flows" increased algae production and insect diversity in the Colorado River, Grand Canyon [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 94-95.

► Controlled steady-flows from Glen Canyon Dam.

Kennedy, Theodore A.; Muehlbauer, Jeffrey D.; AND Rogowski, David L.

2019 19.6285 Colorado River ecosystem responses to the 2018 Bug Flow experiment from Glen Canyon Dam [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 63.

Kennedy, Theodore A.; Muehlbauer, Jeffrey D.; Yackulic, Charles B.; Lytle, David A.; Kortenhoeven, Eric W.; AND Metcalfe, Anya N.

2015 19.4862 Little bugs, big data, and Grand Canyon: light trapping by river rafters yields insights into Colorado River aquatic insect dynamics [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 51.

Kennedy, Theodore A.; Muehlbauer, Jeffrey D.; Yackulic, Charles B.; Lytle, David A.; Miller, Scott W.; Dibble, Kimberly L.; Kortenhoeven, Eric W.; Metcalfe, Anya N.; AND Baxter, Colden V.

2016 19.4975 Flow management for hydropower extirpates aquatic insects, undermining river food webs. *BioScience*, 66(7): 561-575 + Supplemental Material online, 6 pp.

► Includes Colorado River in Glen Canyon below Glen Canyon Dam.

Kennedy, Theodore A.; Yackulic, Charles B.; Cross, Wyatt F.; Grams, Paul E.; Yard, Michael D.; AND Copp, Adam J.

2014 19.4444 The relation between invertebrate drift and two primary controls, discharge and benthic densities, in a large regulated river. *Freshwater Biology*, 59(3) (March): 557-

572 + supporting data online (Figures S1, S2), doi:10.1111/fwb.12285/suppinfo, 2 pp.

► Colorado River below Glen Canyon Dam.

Kennedy, Theodore A.; Yackulic, Charles B.; Muehlbauer, Jeffrey D.; Kortenhoeven, Eric; AND Copp, Adam J.

2013 19.5435 High resolution sampling of insect emergence by citizen scientists leads to fundamental insights about the life history of aquatic insects in the Colorado River, Grand Canyon [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], pp. 79-80.

Kim, Ke Chung

1966 19.5289 The species of *Enderleinellus* (Anoplura, Hoplopleuridae) parisitic on the Sciurini and Tamiasciurini. *Journal of Parasitology*, 52(5) (October): 988-1024.

► See *Enderleinellus kaibabensis*, new species (pp. 1000-1002, 1022; figures 12 (p. 999, legend p. 998), 29 (p. 1001), 54-59 (p. 1005, legend p. 1004); types from "Kaibab National Forest, Arizona", specific locales not indicated but parasitic on *Sciurus kaibabensis* Merriam, thus Kaibab Plateau.

King, Robert L.

1924 19.4361 Heteromorphic homologous chromosomes in three species of *Pseudotrimerotropis* (Orthoptera: Acrididae). *Journal of Morphology*, 38(1) (September): 19-63.

► Includes Grand Canyon.

Kloeppel, Heidi M., AND Stevens, Larry [Stevens, Lawrence E.]

2003 19.2433 Invertebrate pests in the Grand Canyon. *The Wild Thing* (Grand Canyon Wildlands Council Newsletter), (Fall): 12.

Kment, Petr; Carapezza, Attilio; AND Jindra, Zdeněk

2020 19.6488 Taxonomic catalogue of the family Ochteridae with description of *Ochterus papaceki* sp. nov. from Socotra Island and Tanzania (Hempitera: Heteroptera). *Acta Entomologica* (Musei Nationalis Pragae), 60(1): 23-64.

► The newly described species of Kment *et al.*'s paper is not pertinent to this bibliography. See *Ochterus barberi* Schell (p. 35), with rectification of holotype as lectotype; the species was erected in Schell's (1943, ITEM NO. 19.6155) January installment, with types (from Grand Canyon) designated in the April installment, for which Schell's holotype from Grand Canyon is redesignated a lectotype. See also *O. rotudus* J. T. Polhemus & M. S. Polhemus (p. 46), which reidentifies Schell's (1943) *O. viridifrons* (specimens from Grand Canyon).

Knight, Harry H.

1921 19.4091 Monograph of the North American species of Deraeocoris (Heteroptera, Miridae). *Minnesota State Entomologist, 18th Report to the Governor*, pp. 77-210, Plate 8. [Published June 18, 1921.]

► Grand Canyon specimens cited; see:
Deraeocoris (Camptobrochis) brevis (Uhler), pp. 103-105; *D. fulvus*, new species (including paratypes from Grand Canyon), pp. 144-145
D. bullatus, new species (including holotype, allotype, and paratypes from Grand Canyon), pp. 147-148
D. navajo, new species (holotype from Grand Canyon), pp. 155-156); *D. fulvescens* (Reuter), pp. 167-169.

1921 19.4092 Monograph of the North American species of Deraeocoris—Heteroptera Miridae. *University of Minnesota, Agricultural Experiment Station, Technical Bulletin 1*, pp. 77-210, Plate 8. [Published June 19, 1921.]

► "This article appeared originally in the Eighteenth Report of the Minnesota State Entomologist, published June 18, 1921. In order to avoid confusion in citation, the original pagination is retained in this bulletin."

1925 19.5495 Descriptions of thirty new species and two new genera of North American Miridae (Hemiptera). *Brooklyn Entomological Society, Bulletin*, 20(1) (February): 33-58.

► See: *Ceratocapsus clavicornis*, new species (pp. 47-48); holotype and allotype, "August 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight); author's collection"; also 30 paratypes "taken with the types on *Cowania mexicana*"; and a paratype from Williams, Arizona.
Phytocoris mellarius, new species (pp. 56-57); holotype and allotype, "August 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight); author's collection"; also nine paratypes "taken with the types. This species was probably collected on some conifer although I do not find the remarks in my notes."

1926 19.6124 Descriptions of seven new species of *Pilophorus* (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 21(1/2) (February/April): 18-26.

► See: *Pilophorus strobicola*, new species (p. 19); localities of non-type study specimens include "Grand Canyon, Arizona".
P. fuscipennis, new species (pp. 23-24); paratype material includes "♂ ♀, Aug. 3, 1917, Grand View [Grandview], Grand Canyon, Arizona (H. H. Knight)".

1928 19.6120 New species of *Phytocoris* from North America (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 23(1) (February): 28-46.

► See *Phytocoris hesperius*, new species; paratype specimens include "2♂ 1♀ Aug. 2, 1917, at top of Bright Angel trail, Grand Canyon (H. H. Knight)".

1929 19.6068 Descriptions of five new species of *Plagiognathus* from North America (Hemip.: Miridae). *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 40 (March): 69-74.

► See p. 73, *Plagiognathus tenellus*, new species; holotype, allotype, and 12 paratypes from "top of Bright Angel trail, Grand Canyon, Arizona (H. H. Knight); author's collection."

1934 19.6123 *Phytocoris* Fallen—twelve new species from the western United States (Hemiptera, Miridae). *Brooklyn Entomological Society, Bulletin*, 29(1) (February): 1-16.

► See *Phytocoris varius*, new species (pp. 9-11); "*Holotype*: ♂ September 6, 1931,

Grand Canyon (H. H. Knight); author's collection. *Allotype*: ♀, taken with the type. *Paratypes*: ♂, 3♀, taken with the types by beating on large cedar trees (*Juniperus* sp.) which were found growing behind the cabin camp located at the entrance gate of the Grand Canyon National Park." Also paratypes from Durango, Colorado and Chiricahua Mountains, Arizona.

1968 19.5134 Taxonomic review: Miridae of the Nevada Test Site and the western United States. *Brigham Young University, Science Bulletin* (Biological Series), 9(3), 282 pp.

► See: *Lepidopsallus ovatus* Knight, 1926 (p. 51), with the cursory note, "This species was described from Tucson, Arizona, and I have other specimens from Grand View [Grandview], Grand Canyon, and Williams."

Deraeocoris bullatus Knight, 1921 (p.82), with the cursory note, "The species *bullatus* was described from specimens taken on cliff rose, *Cowania mexicana*, at Grand View, Grand Canyon, Arizona, in 1917."

Largidea rubida (Uhler, 1904) (p. 84), with the cursory note, "I have collected it on pines, *Pinus*, in Colorado and at Grand View, Grand Canyon, Arizona."

Parthenicus cowaniae, new species (pp. 148-149, Figure 211 (p. 147); types from Grand View [Grandview], Grand Canyon, and Hermit Rim Road, Grand Canyon.

Pilophorus exiguus Poppius, 1914 (p. 168), with the cursory note, "Described from Bright Angel Trail, Grand Canyon, Arizona" (see Poppius, 1914, ITEM NO. 19.5135), with a "[l]ater record" from "Grand Canyon", 1925.

Bolteria juniperi, new species (pp. 202-203, Figure 253), paratype "near Grand Canyon, Arizona".

Phytocoris flaviatus, new species (p. 241, Figure 297 (p. 242), holotype "above Bright Angel Trail, Grand Canyon, Arizona".

Knowlton, George F.

1946 19.6119 Chermidae notes. *Brooklyn Entomological Society, Bulletin*, 41(2) (April): 61.

► Includes *Chermes cooleyi* Gillette on Douglas fir, *Pineus coloradensis* (Gillette) on western yellow pine, and *Pineus similis* (Gillette) on *Pinus flexilis*; all noted from "Kaibab Forest, Arizona", which based on other localities listed in this brief item, in Utah to the north, pertains to Kaibab Plateau.

1954 19.6114 Aphid records from United States and Canada. *Brooklyn Entomological Society, Bulletin*, 49(2) (April): 47-48.

► See p. 48, "*Aphis armoraceae* Cowen. Alate on *Sphaeralcea*, Marble Canyon, Arizona, June 16, 1949."

1958 19.6122 Tingidae are biters. *Brooklyn Entomological Society, Bulletin*, 53(3) (June): 73.

► Regarding "irritating bites" when "*Corythucha morrilli* Osb. & D. tingid bugs were swept from rabbit brush, *Chrysothamnus nauseosus*". Localites noted include several in southern Utah and at Fredonia, Arizona.

Knull, Josef N.

1947 19.5222 New Buprestidae with notes (Coleoptera). *Ohio Journal of Science*, 47(4) (July): 174-176.

► See p. 176, *Buprestia prospera* Csy., regarded as a "valid species", which notes, "Specimens are at hand from Arizona: Williams and south rim of Grand Canyon . . . ." (ENTIRE NOTE)

1957 19.4418 Three new species of *Aphricus* with a note on *Ctenicera* (Coleoptera: Elateridae). *Ohio Journal of Science*, 57(4) (July): 200-202.

► See *Aphricus knowltoni*, new species, pp. 200-201; includes type material from Cameron, Arizona.

Ko, Katherine, AND Pilkington, Lonnie

2018 19.5964 Citizen science along the river—dragonfly mercury project. *Boatman's Quarterly Review*, 31(3) (Fall): 8-10.

Kortenhoeven, Eric; Muehlbauer, Jeff; AND Kennedy, Ted

2016 19.5189 Hydropower waves, insect eggs and citizen science: What's up with the aquatic food base in Grand Canyon? *Boatman's Quarterly Review*, 29(3) (Fall): 19-22.

Kramer, James P.

1979 19.6062 Taxonomic study of the planthopper genus *Myndus* in the Americas (Homoptera: Fulgoroidea: Cixiidae). *American Entomological Society, Transactions*, 105 (September): 301-389.

► See *Myndus yuccandus* Ball (p. 328, Figures 54-56 [p. 327, legend (p. 326) indicates illustrations from paratype]), type material examined from "Grand Canyon, Arizona." Kramer notes: "Holotype male, Grand Canyon, Arizona, 4 August 1930, E.D. Ball. The information published with the original description is slightly different from that on the labels of the holotype; this is probably due to a lapsus by Ball. The previously published locality was given as 'Grand Canyon Bridge' and the date of collection '30 August 1930'. One paratype male with same data. Both are in the collection of the USNM." (no further specifics) Refers to Ball (1933, ITEM NO. 19.6063). *NOTE*: "Grand Canyon Bridge" is certainly Navajo Bridge, and it is feasible that this is the correct locality and date. Not resolved here.

Kucera, James R.; Durden, Lance A.; AND Kim, Ke Chung

2007 19.2861 New records of sucking lice (Phthiraptera: Anoplura) from the western United States. *Journal of Vector Ecology*, 32(2) (December): 366-370.

► Includes records from Kaibab Plateau and other locales on the Arizona Strip.

Kuhnt, P., AND Reineck, G.

1908 19.6189 Aus den Sitzungen. I. *Deutsche Entomologische Zeitschrift*, 1908(2) (March 1): 282-293. [In German.]

► See p. 28: "H o r n zeigt eine *Amblychila*-Larve (wahrscheinlich *A. Schwarzi*: Peach Spring, Arizona: Ch. Fuchs) von 28 mm Länge, die sich von den G. H o r n schen Angaben (Tr. Am. Ent. Soc. 1876) vor allem durch das Vorhandensein von jederseits 2 Augen unterscheidet." It is not clear to which paper by George H. Horn in the 1876 *Transactions of the American Entomological Society* is referred; Peach Spring (Peach Springs) is not noted in any of them. However, "The Sexual Characters of North American Cicindelidæ with Notes on Some Groups of *Cicindela*" (pp. 232-240, Plate I) includes *Amblychila* Say (pp. 233-234). Plate I in this volume is not called out in any paper therein; it does, however, include "Fig. 18.—Hind trochanter and last ventral ♂

and ♀ of *Amblychila*." Thus it is to this paper that Kuhnt and Reineck seem to have referred, although the absence of specific information as noted by them is a matter not resolved here. The specific epithet, *schwarzi*, pertains to *A. schwarzi* Walther Hermann Horn, 1903. The genus is correctly *Amblycheila* Say, 1830; *Amblychila* is an unjustified emendation by Agassiz, 1846.

L

LaBerge, Wallace E.

1967 19.6173 A revision of the bees of the genus *Andrena* of the western hemisphere. Part I. *Callandrena*. (Hymenoptera: Andrenidae). *University of Nebraska State Museum, Bulletin*, 7 (October): 1-318.

► See: *Andrena* (*Callandrena*) *helianthi* Robertson, 1891 (pp. 94-101), locality records (within the boundaries of this bibliography) include only "Fredonia", in Arizona (p. 100, no further details)

A. (*C.*) *pecosana* Cockerell, 1913 (pp. 112-117), locality records include "UTAH: Kaibab Forest" (p. 116, no further details; the distribution map [p. 116] plots a dot perhaps at the area of Kanab, Utah, thus perhaps a misregistration for the Kaibab Plateau)

A. (*C.*) *utahensis*, new species (pp. 258-260, Figures 292-296 [p. 314]), paratypes include 5 females and 1 male from "Grand Canyon", collected by G. E. Bohart, June 5, 1940.

Lauman, G. W. "Pat"; Schulz, James G.; Thomas, James A.; AND Willis, Daryl H.

1991 19.905 Macroinvertebrate studies in side canyon tributaries of the Grand Canyon. *In: Colorado River Investigations #10 : July/August, 1991* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 73-90.

Lavoie, Kathleen H.; Helf, Kurt L.; AND Poulson, Thomas L.

2007 19.3864 The biology and ecology of North American cave crickets. *Journal of Cave and Karst Studies*, 69(1) (April): 114-134.

► See p. 114, reference, *in passing* and noting a web-based press release, about a new genus of rhaphidiphorid cave cricket from Grand Canyon-Parashant National Monument.

Le Conte, John L.[1]

1876 19.6017 (WITH George H. Horn) The Rhynchophora of America, North of Mexico. *American Philosophical Society, Proceedings*, 15(96) (December): i-xvi, 1-442 [entire number].

► *NOTE*: Cited here with question. Le Conte (p. 364) named the new species *Tomicus confusus* based on three specimens from "Southern California and Arizona"; no further

[1] Often published as "LeConte" or "Leconte" but the author's own usage is "Le Conte".

information relating to the type localities is known. Swain (1924, ITEM NO. 19.6018) selected Le Conte's "California" specimen, in the Agassiz Museum, Harvard University, as the type for *Ips confusus* (Le Conte); he selected the "Arizona specimen" as the holotype of *Ips lecontei*, new species. Inasmuch as the genus represents forest beetles, it is not likely that the California specimen came from a locality pertaining to the lower Colorado River region as defined in this bibliography (thus neither Le Conte nor Swain are cited in Part 11, Section 1). However, the genus is widely distributed, including the Grand Canyon region and higher elevations of Arizona, and although it is less likely that Le Conte's specimen is from the immediate Grand Canyon region, both Le Conte's and Swain's papers are cited here conditionally.

Leibfried, William C., AND Blinn, Dean W.

1986 19.916 *The effects of steady versus fluctuating flows on aquatic macroinvertebrates in the Colorado River below Glen Canyon Dam, Arizona.* [No place]: Glen Canyon Environmental Studies, *for* Arizona Game and Fish Department, Phoenix, 58 pp. (Contract no. 6400042 Extension.) (Glen Canyon Environmental Studies Report B-8.)

1988 19.5507 The effects of steady versus fluctuating flows on aquatic macroinvertebrates in the Colorado River below Glen Canyon Dam, Arizona. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 173-186.

Leibfried, William C.; Usher, Howell D.; AND Blinn, Dean W.

1986 19.6476 Invertebrate drift in the Colorado River below Glen Canyon Dam: The effects of steady versus fluctuating discharges [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 21(1986 Proceedings Supplement) (April): 19.

Leng, Charles W.

1902 19.3409 Revision to the Cicindelidae of Boreal America. *American Entomological Society, Transactions*, 28(2): 93-194.

► See *C. rufiventris* Dej. var. *arizonae* Wickham, p. 178: "Canon of the Colorado River, in Arizona. July. Collected by Prof. Townsend on sandy places or along paths by a stream going down a side canon from Hance's Stone Cabin (2500 feet above the river and 2500 feet below the rim) to the level of the Colorado River." See Wickham (1899, ITEM NO. 19.3226).

Linder, Folke

1952 19.4807 Contributions to the morphology and taxonomy of the Branchiopoda Notostraca, with special reference to the North American species. *U.S. National Museum, Proceedings*, 102(3291), 69 pp., 7 plates.

► See *Apus longicaudatus* LeConte (p. 53 and following); cited localities, with USNM specimen lot numbers, include (p. 65) "Red Horse Tank, Grand Canyon"; "natural tank, south rim of the Grand Canyon"; and "Haulpai [*sic*, Hualapai] Indian Reservation".

Lindsay, Dale R.

1938 19.5235 New species of *Norvellina* (Homoptera, Cicadellidae). *Kansas Entomological Society, Journal*, 11(4) (October): 113-123.

► See *Norvellina bicolorata* var. *inflata*, new variety (pp. 113-114), "numerous paratypes" from localities including "Grand Canyon, Ariz."

Liu, Tong-Xian, AND Kosztarab, Michael

1987 19.5214 Two new species of *Chionaspis* (Homoptera: Coccoidea: Diaspididae) from North America. *Florida Entomologist*, 70(4) (December): 512-520.

► See *Chionaspis gilli*, new species (pp. 516-519); paratype specimens include "On *Tamarix chinensis*, 5 on 4 slides, Grand Canyon National Park, Colorado River, Coconino Co., Arizona (AZ), VII-23-1984 collected by L. E. Stevens, deposited in USNM."

Loomis, Richard B., AND Welbourn, W. C., Jr.

1969 19.6776 A new species of *Hannemania* (Acarina, Trombiculidae) from *Bufo punctatus* of western North America, with comments on *Hannemania hylae* (Ewing). *Southern California Academy of Sciences, Bulletin*, 68(3): 161-169.

► See *Hannemania bufonis*, new species (pp. 161-164, fig. 1); types from Whitewater Canyon, Riverside County, California, but specimens examined include "Arizona, Mohave Co.: Grand Canyon National Mon., Toroweap Valley, 25 April 1943 (17)."

Lutz, Frank E.

1934 19.938 From low to high. *Grand Canyon Nature Notes*, 9(7) (October): 327-329.

► Insect collecting at mouth of Bright Angel Creek, Indian Garden, and Supai. A general article without specifics.

Lynch, Ann M.; Anhold, John A.; McMillin, Joel D.; Dudley, Steve M.; Fitzgibbon, Roberta A.; AND Fairweather, Mary Lou

2008 19.4897 *Forest insect and disease activity on the Kaibab National Forest and Grand Canyon National Park, 1918-2006 : report for the Kaibab N.F./Regional Analysis Team.* Tucson, U.S. Forest Service, Rocky Mountain Research Station; and Flagstaff: U.S. Forest Service, Arizona Zone Office, *for* U.S. National Forest Service, Kaibab National Forest, 41 pp.

M

Mader, Detlef

2011 19.5572 Lunarzyklische Populationsdynamik des Mosel-Apollo (*Parnassius apollo vinningensis*) und anderer Insekten im Moseltal zwischen Koblenz und Trier (Deutschland). Selenocyclical population dynamics of the Moselle Apollo (*Parnassius apollo vinningensis*) and other insects in the Moselle Valley between Koblenz and Trier (Germany). *Galathea* (Kreises Nürnberger Entomologen, Berichte), (Supplement 21), 279 pp., 4 plates. [In German, with bilingual title.]

► See in section 10, "Bedeutung von Apollo faltern in meiner entomologischen Forschung und in meiner akademischen Laufbahn" (p. 193 and following); specifically, section 10.4, "Östlicher Tiger-Schwalbenschwanz (*Papilio glaucus*)", pp. 197-199, which discusses occurrences of *P. glaucus* Linnaeus at Grand Canyon.

Makarick, Lori J.; Dow, Talise; AND Kolegas, Stacy

2010 19.3122 Tamarisk beetle found within Grand Canyon National Park. *Canyon Views* (Grand Canyon Association), 16(1) (Spring): 3-4. [First author's name misspelled Mackarick.]

Makarick, Lori J.; Moran, Mary; AND Naumann, Tamara

2010 19.3902 Planning for and living with the tamarisk beetle on the Colorado Plateau—a National Park Service perspective [ABSTRACT]. *2010 Tamarisk Symposium, January 12 and 13, Two Rivers Convention Center, Grand Junction, Colorado*.

Malloch, J. R.

1918 19.3390 Diptera from the south-western United States. Paper IV. Anthomyiidae. *American Entomological Society, Transactions*, 44(3) (September): 263-319, Plate 17.

► See p. 316, *Hylemyia* sp. from "Bright Angel, Arizona, rim of Grand Cañon".

Mangum, Fred A.

1990 19.950 *Aquatic ecosystem inventory, macroinvertebrate analysis, North Canyon Creek, Kaibab National Forest, 1990.* Provo, Utah: U.S. Forest Service, Intermountain Region, Aquatic Ecosystem Analysis Laboratory, Brigham Young University, 8 pp.

Mann, John

1969 19.6364 Cactus-feeding insects and mites. *U.S. National Museum, Bulletin 256*, 158 pp.

► See *Chelindea vittiger* Uhler (pp. 131-133), "general occurrences" (p. 132) include Lees Ferry, Arizona; *Cactylopius confusus* Cockerell (pp. 147-148), "Material found on the low-growing *O[puntia]. basilaris* at Lees Ferry and the Grand Canyon in northern Arizona probably represents this species." (p. 147) (ENTIRE NOTES)

Massey, Calvin L.

1974 19.5566 Biology and taxonomy of nematode parasites and associates of bark beetles in the United States. *U.S. Forest Service, Agriculture Handbook 446*, 233 pp.

► See *Parasitorhabditis gracilis*, new species, type locality "Grand Canyon", "[a]ssociated with *Pseudohylesinus grandis* Sw. in white fir", pp. 69, 70. See also in Table 1, which lists *P. grandis* at Grand Canyon (p. 13).

Matzkin, Luciano M.

2008 19.4326 The molecular basis of host adaptation in cactophilic drosophila: Molecular evolution of a glutathione *S*-transferase gene (*GstD1*) in *Drosophila majoavensis*. *Genetics*, 178 (February): 1073-1083.

► Materials include 15 lines from the "Mojave population (7 from Grand Canyon and 8 from Anza-Borrego)".

Mawdsley, Jonathan R.

2001 19.3982 Taxonomy, phylogeny, and biogeography of the genus *Asydates* Casey (Insecta: Coleoptera: Melyridae). *Insecta Mundi* (Center for Systemtic Entomology, Gainesville, Florida), 15(2) (June): 123-128.

McAtee, W. L.

1919 19.6126 Notes on Nearctic Heteroptera. *Brooklyn Entomological Society, Bulletin*, 14(1) (February): 8-15.

► See *Chelinidea vittiger* var. *artuflava*, new variety (pp. 11-12); localities for non-type specimens examined include "Grand Cañon, Ariz., July 10 (U. S. N. M.)".

1919 19.3594 Key to the Nearctic genera and species of Berytidae (Heteroptera). *New York Entomological Society, Journal*, 27(1) (March): 79-92.

► See *Pronotacantha annulata* Uhler, p. 89; including Grand Canyon.

McCleary, James A.

1955 19.2206 A gall midge infesting *Opuntia phaeacantha*. *Saguaroland Bulletin* (Desert Botanical Garden of Arizona, Phoenix), (June/July): 69-72.

McCullough, D. G., AND Wagner, M. R.

1987 19.2286 Influence of watering and trenching ponderosa pine on a pine sawfly. *Oecologia*, 71(3): 382-387.

McHugh, Charles W.; Kolb, Thomas E.; AND Wilson, Jill L.

2003 19.2860 Bark beetle attacks on ponderosa pine following fire in northern Arizona. *Environmental Entomology*, 32(3): 510-522.

► Study sites include Bridger Knoll Study Area on the Kaibab National Forest, North Kaibab Ranger District.

McKee, Barbara H. *see also* Hastings, Barbara

1932 19.1021 Scorpion vs. tarantula. *Grand Canyon Nature Notes*, 7(1): 8-9.

1994 19.1028 Scorpion vs. tarantula. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 83-84.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1932.

McKee, Edwin D.

1928 19.1034 The Polyphemus moth. *Grand Canyon Nature Notes*, 3(2) (July 31): cover, 4-5.

1929 19.1037 Odds and ends. *Grand Canyon Nature Notes*, 3(9) (May 31): 6.

▶ Flammulated screech owl, eastern kingbird, spotted skunks, tent caterpillars, water ouzel nests.

1929 19.1038 Heralds of summer. *Grand Canyon Nature Notes*, 3(10) (June 30): 6-7.

▶ Birds, flowers, butterflies, insects.

1929 19.1041 Hither and yon. *Grand Canyon Nature Notes*, 4(2) (October 31): 13-14.

▶ Includes brief notes of American bald eagle in Hance Canyon, tarantulas on South Rim, and horned toad canibalism.

1931 19.1053 Giant moths. *Grand Canyon Nature Notes*, 5(9) (July): 93-94.

▶ See also errata, 6(1) (November): 14.

1932 19.1067 Scorpion vs. centipede. *In:* Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 94.

1994 19.1096 The polyphemus moth. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 82.

▶ Reprinted from *Grand Canyon Nature Notes*, July, 1928.

1994 19.1097 The Papilio tribe of butterflies. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 82-83.

▶ Reprinted from *Grand Canyon Nature Notes*, July, 1927.

McKinney, Ted; Ayers, Andrew D.; AND Rogers, Roland S.

1999 19.1112 Macroinvertebrate drift in the tailwater of a regulated river below Glen Canyon Dam, Arizona. *Southwestern Naturalist*, 44(2) (June): 205-210.

McKinney, Ted; Rogers, Roland S.; AND Ayers, Andrew D.

1997 19.1113 Effects of experimental flooding on periphyton and macroinvertebrates in the Glen Canyon Dam tailwater. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April

8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 27.

McKinney, Ted; Rogers, Roland S.; AND Ayers, Andrew D.

1997 19.1113 Effects of experimental flooding on periphyton and macroinvertebrates in the Glen Canyon Dam tailwater. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 27.

1997 19.1115 Effects of experimental flooding on periphyton, diatom epiphytes and macroinvertebrates in the tailwater of a regulated river. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, pp. 20-21.

McKinney, Ted; Rogers, Roland S.; Ayers, Andrew D.; AND Persons, William R.

1996 19.1116 Effects of experimental flooding on algae, macroinvertebrates, rainbow trout and flannelmouth suckers in the Glen Canyon Dam tailwater. *In:* Arizona Game and Fish Department, *The effects of an experimental flood on the aquatic biota and their habitats in the Colorado River, Grand Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, pp. 10-1 to 10-30.

McLain, Lauren K., AND Stevens, Lawrence E.

2000 19.1990 On jeweled wings. *Nature Notes* (Grand Canyon National Park), 16(1) (Summer): 8-10.

► Butterflies.

McMaster, Melissa A., AND Makarick, Lori

2011 19.3544 Northern tamarisk beetle update. *Boatman's Quarterly Review*, 24(4) (Winter 2011-2012): 24-26.

McMillin, Joel D., AND DeGomez, Tom E.

2008 19.6019 Arizona fivespined ips, *Ips lecontei* Swaine, in the southwestern United States. *Forest and Insect Disease Leaflet* (U.S. Department of Agriculture), (116), revised, 8 pp.

Mead, Pauline [Mead, Polly] *see also* Pattraw, Pauline Mead

1930 19.1125 Butterflies near the Colorado River in November. *Grand Canyon Nature Notes*, 5(1) (November 30): 2-3.

Metcalfe, Anya N.

2018 19.5948 *Aquatic insect distribution in the Colorado River basin.* Master's thesis, Northern Arizona University, 85 pp.

► Study area is Upper Colorado River Basin, Grand Canyon, and upper portion of Lake Mead during 2015-2016.

2020 19.6546 Science story; aquatic insects. *In:* Scott, Annie, and Snow, Eleanor, The 150th anniversary of the 1869 Powell Expedition; USGS participation in the Sesquicentennial Colorado River Exploring Expedition and reflections from the ~1,000-mile journey down the Green and Colorado Rivers. *U.S. Geological Survey, Circular 1475*, p. 42.

Metcalfe, Anya N., AND Kennedy, Theodore A.

2015 19.4869 Phenology and life history plasticity of the bivoltine angel lichen moth (Erebidae: *Cisthene angelus*) in Grand Canyon, AZ, US [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 61.

Metcalfe, Anya N.; Fritzinger, Carol A.; Kennedy, Theodore A.; Dodrill, Michael J.; Muehlbauer, Jeffrey D.; Holton, Brandon; Durning, Laura E.; Sankey, Joel B.; AND Weller, T.

2022 19.6836 Bats, bugs, and boaters: insectivorous bat foraging along the Colorado River in Grand Canyon is determined by the availability of aquatic flies [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 120.

Metcalfe, Anya N.; Fritzinger, Carol A.; Weller, Theodore J.; Dodrill, Michael J.; Muehlbauer, Jeffrey D.; Yackulic, Charles b.; Holton, P. Brandon; Szydlo, Cheyenne M.; Durning, Laura E.; Sankey, Joel B.; AND Kennedy, Theodore A.

2023 19.6853 Insectivorous bat foraging tracks the availability of aquatic flies (Diptera). *Journal of Wildlife Management*, 87(5): e22414 (https://doi.org/10.1002/jwmg.22414) + Supporting Information online (Fig. S1, Tables S1-S5, Methods SI and SII; 15 pp.).

► Colorado River in Grand Canyon.

Metcalfe, Anya N.; Kennedy, Ted [Kennedy, Theodore A.]**; AND Fritzinger, Carol "Fritz"**

2014 19.4620 Moth Mystery Hour. *Boatman's Quarterly Review*, 27(4) (Winter 2014-2015): 15-16.

► Angel lichen moths, *Cisthene angelus*; light-trapping studies along Colorado River through Grand Canyon.

Metcalfe, Anya N.; Kennedy, Theodore A.; Marks, Jane C.; AND Muehlbauer, Jeffrey D.

2019 19.6287 Gene flow among net-spinning caddisfly population in the Colorado River Basin [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 78-79.

► Upper Basin and Grand Canyon.

Metcalfe, Anya N.; Kennedy, Theodore A.; AND Muehlbauer, Jeffrey D.

2016 19.5322 Phenology of the adult angel lichen moth (*Cisthene angelus*) in Grand Canyon, USA. *Southwestern Naturalist*, 61(3) (September): 233-240.

Metcalfe, Anya N.; Muehlbauer, Jeffrey D.; Kennedy, Ted [Kennedy Theodore A.]**; AND Ford, Morgan**

2019 19.6362 Bug flows: Don't count your midges until they hatch. *Boatman's Quarterly Review*, 32(4) (Winter 2019-2020): 8-11.

Michener, Charles D.

1939 19.2154 A revision of the genus *Ashmeadiella* (Hymen., Megachilidae). *American Midland Naturalist*, 22(1) (July): 1-84.

Miller, Douglass R., AND McKenzie, Howard L.

1973 19.3984 Seventh taxonomic study of North American mealybugs (Homoptera: Coccoidea: Pseudococcidae). *Hilgardia*, 41(17) (January): 489-542.

► See *Cataenococcus formicarii* (Ehrhorn, n. comb., pp. 491-493; and *Cryptoripersia arizonensis* (Ehrhorn), pp. 499-500. Type material pertains to that described by Ehrhorn (1899, ITEM NO. 19.3983). The locality, "Thurber's Camp", Grand Canyon, as noted by Ehrhorn, is Bright Angel Camp.

Miller, Russell B.

1981 19.2155 Hawkmoths and the geographic patterns of floral variation in *Aquilegia caerulea*. *Evolution*, 35(4) (July): 763-774.

► Sampling sites include Kaibab Plateau.

Millidge, A. F.

1981 19.4375 The erigonine spiders of North America. Part 4. The genus *Disembolus* Chamberlin and Ivie (Araneae: Linyphiidae). *Journal of Arachnology*, 9: 259-284.

► See *Disembolus kesimbus* (Chamberlin), new combination, pp. 270-271, Figures 16, 17, 20 (p. 267), 55 (p. 273), 72 (p. 275), 94 (p. 278), Map 1D (p. 260). Chamberlin's type material from V.T. Ranch, Kaibab Plateau. Lectotype designated by Millidge.

Moldenke, Andrew R.

1970 19.5287 A revision of the Clytrinae of North America north of the Isthmus of Panama (Coleoptera: Chrysomelidae). Stanford, California: Stanford University, 310 pp.

► Includes *Saxinis saucia kaibabiae*, new subspecies.

Morris, Gail M.

2019 19.6288 Partnerships for monarch research in remote southwestern locations [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's*

Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, p. 81.

► Includes note that the "Southwest Monarch Study is researching the breeding habitats and tagging monarchs at Grand Canyon National Park South Rim, North Rim and throughout the Colorado River corridor."

Morris, Gail M.; Kline, Christopher; AND Morris, Scott M.

2015 19.5002 Status of *Danaus plexippus* population in Arizona. *Lepidopterists' Society, Journal*, 69(2): 91-107.

► Monarch butterflies. Includes Colorado River in Grand Canyon and lower Colorado River.

Muchmore, William B.

1981 19.5001 Cavernicolous species of *Larca*, *Archeolarca*, and *Pseudogarypus* with notes on the genera, (Pseudoscorpionida, Gaypidae and Pseudogarypidae). *Journal of Arachnology*, 9(1): 47-60.

► See *Archeolarca cavicola*, new species (pp. 55-56, Figures 11, 12 [p. 53]), holotype female from Cave of the Domes, Grand Canyon.

N

Nabokov, Vladimir

1942 19.2212 Some new or little known Nearctic *Neonympha* (Lepidoptera: Satyridae). *Psyche*, 49(3/4) (September/December): 61-80.

► Includes *Neonympha dorothea*, new species, from Grand Canyon.

2024 19.6983 *Bir günbatımının ayrıntıları : toplu hikâyer 1. The complete short stories of Vladimir Nabokov.* (Seniha Akar, Fatih Özgüven, Pınar Kür, and Dürrin Tunç, translators.) İstanbul: İletişim Yayınları, 351 pp. [In Turkish, with bilingual volume title.]

► Cited here only for the cover art: "Kelebek: Tiger Swallow Tail. Fotoğraf: Nabokov Stanford Üniversitesi'nden öğrencisi Dorothy Leuthold ile Grand Canyon'da, Haziran 1941" [*transl.* Butterfly: Tiger Swallow Tail. Photo: Nabokov with Stanford University student Dorothy Leuthold in the Grand Canyon, June 1941"] (after whom Nabokov named *Neonympha dorothea*). *NOTE:* None of the variously titled collections of Nabokov's stories that have been seen use either of these illustrations.

Nelson, C. Riley

1994 19.1245 Insects of the Great Basin and Colorado Plateau. *In:* Harper, Kimball T., St. Clair, Larry L., Thorne, Kaye H., and Hess, Wilford M. (eds.), *Natural history of the Colorado Plateau and Great Basin.* Niwot, Colorado: University Press of Colorado, pp. 211-237.

Nelson, G. H.

2000 19.3960 A revision of the subtribe Hippomelanina, part II: *Gyascutus* (*Gyascutus*) LeConte (Coleoptera: Buprestidae). *Journal of Natural History*, 34(12): 2251-2291.

Nelson, G. H., AND Westcott, R. L.

1995 19.4026 Three new species of *Acmaeodera* Eschscholtz (Coleoptera: Buprestidae) from the United States and Mexico. *The Coleopterists Bulletin*, 49(1): 77-87.

New Mexico College of Agriculture and Mechanic Arts, Agricultural Experiment Station, Board of Regents

1894 19.3503 Report of the Experiment Station. *New Mexico College of Agriculture and Mechanic Arts, Agricultural Experiment Station, 4th Annual Report of the Board of Regents, 1892-'93*.

► See pp. 14-15: "From the middle of June, 1892, to the middle of August, the Entomologist [T. D. A. Cockerell] was away on a field-trip to the Grand Cañon of the Colorado. During this trip very many insects were collected and many observations recorded, but the results have only in part been worked up and published. [. . .] A new Garytes from the Grand Cañon has also been described by Mr. Fox." (ENTIRE NOTES). Regarding the new *Garytes*, refer to William J. Fox, (1893, ITEM NO. 19.4538).

Nichols, Stacy, AND Shannon, Joe

1998 19.1247 Spiders. *Boatman's Quarterly Review*, 11(2) (Spring): 17.

Nielson, M. W.

1965 19.3334 A revision of the genus *Cuerna* (Homoptera, Cicadellidae). *U.S. Department of Agriculture, Agricultural Research Service, Technical Bulletin 1318*, 48 pp.

► See: *Cuerna kaloostiani*, new species (pp. 24-26), male holotype and female allotype from Flagstaff, Arizona; paratypes include "4 male paratypes, Grand Canyon, July 28, 1936, R. H. Beamer and D. R. Lindsay; 1 female paratype, Grand Canyon National Park, July 16, 1947, R. H. Beamer", "1 female, Bright Angel, July 14 (no year given), Barber and Swartz; in the U.S. Naitonal Museum; 4 females, Grand Canyon, August 19, 1939, E. P. Van Duzee . . . and 1 male, Bright Angel Camp, 6,900 feet, Wickham; in the California Academy of Sciences".

Also, *Cuerna obtusa* Oman & Beamer 1944, specimens examined include "Grand Canyon, Kaibab" (no further data).

O

Oberlin, Gaye E.; Shannon, Joseph P.; AND Blinn, Dean W.

1999 19.1252 Watershed influence on the macroinvertebrate fauna of ten major tributaries of the Colorado River through Grand Canyon, Arizona. *Southwestern Naturalist*, 44(1) (March): 17-30.

► Paria River, Vasey's Paradise, Nankoweap Creek, Little Colorado River, Bright Angel Creek, Tapeats Creek, Kanab Creek, Havasu Creek, Spring Canyon, and Diamond Creek.

Osife, Maiya Laree

2013 19.6537 Microbiology and soundscape project. *Southern Paiute-Parashant Bulletin* (U.S. Bureau of Land Management and U.S. National Park Service, Grand Canyon-Parashant National Monument), 1 (July): 8.

► *NOTE*: As noticed on p. 1, Osife is the author of the entirety of this inaugural issue. The microbiology project pertains to studies in cave environments of basalt flows in remote areas of the national monument, including Nampaweap. The soundscape project is not mentioned in the text.

P

Pape, Robert B.

1998 19.2877 *Bat Cave, Grand Canyon National Park : baseline biological inventory : final report.* Tucson: [no imprint], *for* U.S. National Park Service, Grand Canyon National Park, 46 pp.

2014 19.4500 Biology and ecology of Bat Cave, Grand Canyon National Park, Arizona. *Journal of Cave and Karst Studies*, 76(1) (April): cover, inside front cover, 1-13.

2016 19.5142 The importance of ants in cave ecology, with new records and behavioral observations of ants in Arizona caves. *International Journal of Speleology* (Union Internationale de Spéléologie), 45(3) (September): 185-205 + Appendix A, "List of an records from caves, record source, and record author-assigned ecological group", [14] pp.

► Includes cave localities in Grand Canyon-Parashant National Monument.

Pape, Robert B.; Thomas, Donald B.; AND Aalbu, Rolf L.

2007 19.5477 A revision of the genus *Eschatomoxys* Blaisdell (Tenebrionidae: Pimeliinae: Edrotini) with notes on the biology. *The Coleopterists Bulletin*, 61(4): 519-540.

► Includes *Eschatomoxys pholeter* Thomas and Pape, new species; holotype, allotype and paratypes from Bat Cave, Grand Canyon, and additional material from Rampart

Cave ("on old sloth shit" [*sic*!]), Grand Canyon, and Eldel Cave, Mohave County. Includes remarks on other species from Marble Canyon.

Parker, Douglas L.

1980 19.4738 *Integrated pest management guide : mountain beetle,* Dendroctonus ponderosae *Hopkins, in ponderosa pine, Kaibab Plateau, Arizona.* [No place]: U.S. Forest Service, Southwestern Region, 12 pp.

Parker, Douglas L., AND Stevens, Robert E.

1979 19.1266 Mountain pine beetle infestation characteristics in ponderosa pine, Kaibab Plateau, Arizona, 1975-1977. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-367*, 4 pp.

Parker, Douglas L.; Graham, Donald P.; AND Schmeckpeper, Thomas C.

1979 19.6637 *Biological evaluation : western spruce budworm : Kaibab National Forest and Grand Canyon National Park.* Albququerque, New Mexico: U.S. forest Service, Southwestern Region, State and Private Forestry, Forest Insect and Disease Management, 17, 11 pp. (3430 R3 79-13") [Also "Errata Sheet" [1980], 1 p.]

Peck, Stewart Blaine

1973 19.1294 A systematic revision and the evolutionary biology of the *Ptomaphagus (Adelops)* beetles of North America (Coleoptera; Leiodidae; Catopinae), with emphasis on cave-inhabiting species. *Museum of Comparative Zoology, Bulletin*, 145(2): 29-162.

► See p. 106, *P. cocytus*, new species, and related figures throughout; type from Roaring Springs Cave.

1980 19.1295 Climatic change and the evolution of cave invertebrates in the Grand Canyon, Arizona. *NSS Bulletin* (National Speleological Society), 42(3): cover, contents page, 53-60.

Peck, Stewart B., AND Wynne, J. Judson

2013 19.4198 *Ptomaphagus parashant* Peck and Wynne, new species (Coleoptera: Leiodidae: Cholevinae: Ptomaphagini): the most troglomorphic cholevine beetle known from western North America. *The Coleopterists Bulletin*, 67(3): 309-317.

► PARA-1001 cave, Parashant National Monument (*i.e.*, Grand Canyon-Parashant National Monument).

Pelletier, Stephen

2008 19.3861 Crickets, comets, petroglyphs; the role of basic research at AASCU institutions. *Public Purpose*, (April/May): 2-6.

► See pp. 2-3, note, *in passing*, of J. Judson Wynne's discovery of a new genus of cave cricket from Grand Canyon-Parashant National Monument. Also note grayed-out full-page background image of cricket, without legend, p. 2. (American Association of State Colleges and Universities.)

Pellmyr, Olle; Balcázar Lara, Manuel; Althoff, David M.; Segraves, Kari A.; AND Leebens-Mack, James

2005 19.3963 Phylogeny and life history evolution of *Prodoxus* yucca moths (Lepidoptera: Prodoxidae). *Systematic Entomology*, doi:10.1111/j.1365-3113.2005.00301.x, 20 pp.

► Includes *Prodoxus gypsicolor* Pellmyr, new species, pp. 5-8, Fig. 1R (type from California), with note (p. 7), "Specimens reared by OP from *A[gave]. utahensis* at Tuweep, Grand Canyon National Park . . . may belong to this species." (no further remarks) Article includes other regional occurrences of other species.

Perrault, G. G.

1982 19.6897 Etudes sur la tribu des Bembidiini s. str. (Coleoptera, Carabidae). II. Révision du sous-genre Cyclolopha (Casey). *Entomologica Basiliensia*, 7: 89-126. [In French.]

► See *Bembidion sphaeroderum* Bates (pp. 100-102), wherein *B. (C.) occultum* Casey 1918 is synonymized with *B. sphaeroderum* Bates 1882; Casey's type material from Grand Canyon examined.

Peterson, Kathy

1982 19.1302 Interactions of harvester ants (*Pogonomymex*) and river recreationists. *In: Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 99-105.

Pfeiffer, Bryan

2007 19.2942 Size *doesn't* matter. *VES News* (Vermont Entomological Society Newsletter), (55) (Spring): 3.

► Entomological notes from Grand Canyon hike; *Brephidium exile*, Western Pygmy-Blue butterfly, and caddisfly larvae.

Pfeiler, E.; Reed, L. K.; AND Markow, T. A.

2005 19.2937 Inhibition of alcohol dehydrogenase after 2-propanol exposure in different geographic races of *Drosophila mojavensis*: lack of evidence for selection at the Adh-2 locus. *Journal of Experimental Zoology, B, Molecular and Developmental Evolution*, 304(2): 159-168.

► From the abstract: "To test if 2-propanol acts as a selective force on Adh-2 genotype, or whether some other yet undetermined genetic factor is responsible, mature males of *D. mojavensis* lines derived from the Grand Canyon (race A) and Santa Catalina Island (race C), each with individuals homozygous for Adh-2F and Adh-2S, were exposed to 2-propanol for 24 h and ADH-2 specific activity was then determined on each genotype."

Philip, Cornelius B.

1936 19.6116 Notes on certain males of North American horseflies (Tabanidae). *Brooklyn Entomological Society, Bulletin*, 31(5) (December): 189-197.

► See p. 191: "*T. dorsifer* Wlk. [*Tabanus dorsifer* Walker, 1860] Allotype ♂ [. . .] Grand Canyon, Ariz., Phantom Ranch, about 2500'; July 26, 1934; F. E. Lutz." *NOTE* (from p. 189): "A number of apparently undescribed, or inadequately characterized

males, have accumulated over a period of years and it appears opportune to make their descriptions available at this time. In order that initial descriptions of the opposite sex subsequent to the original specific establishment may be associated with a definite specimen, carefully preserved, for later reference and correction if need be, Mutkowsky's original conception when he proposed the term 'allotype,' is adhered to rather than the subsequent interpretation reflected in Banks and Caudell's 'Rules of Nomenclature' of an allotype as a 'paratype of the opposite sex.'"

Philip, Kenelm W.

1996 19.4424 [Comment on "The Butterfly Wars" by Ted Williams in *Audubon* magazine.] *News of the Lepidopterists' Society*, 38(2) (April): 54.

► Comment on Williams (1996; see ITEM NO. 19.4423). Includes brief note on Kaibab swallowtail and Grand Canyon.

Pike, Chris, AND Ward, Steve

1987 19.1321 Further investigations on *Pogonomyrmex sp.* ants on Colorado River beaches in Grand Canyon National Park. *In:* Weiss, Gayle C. (ed.), *Colorado River Investigations V : July/August, 1986* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 138-174.

Pike, Chris; LaChat, Robert; AND Taylor, Cathy O'Rourke

1989 19.1322 Continued studies on the red harvester ant: density and foraging activities on human impacted, Colorado River beaches in Grand Canyon National Park, Summer 1989. *In: Colorado River Investigations VIII : July/August, 1989* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 104-115.

Pinney, Chris A.

1991 19.1340 *The response of* Cladophora glomerata *and associated epiphytic diatoms to regulated flow, and the diet of* Gammarus lacustris *in the tailwaters of Glen Canyon Dam.* Master's thesis, Northern Arizona University, 82 pp.

Pitnick, Scott; Miller, Gary T.; Schneider, Karin; AND Markow, Therese A.

2003 19.4364 Ejaculate-female coevolution in *Drosophila mojavensis*. *Royal Society of London, Proceedings*, B, 270: 1507-1512.

► Includes collection from Whitmore Canyon, Grand Canyon, Arizona.

Platnick, Norman I., AND Shadab, Mohammad U.

1975 19.5583 A revision of the spider genera *Haplodrassus* and *Orodrassus* (Araneae, Gnaphosidae) in North America. *American Museum Novitates*, (2583), 40 pp.

Pogue, Michael G.

2004 19.4311 A new species of *Schinia* Hübner from riparian habitats in the Grand Canyon (Lepidoptera: Noctuidae: Heliothinae). *Zootaxa*, (788): 1-4.

► *Schinia immaculata*; holotype from Colorado River Mile 23.0 Left.

Pogue, Michael G., AND Harp, Charles E.

2004 19.4665 A review of the *Schinia tertia* (Grote) species complex (Lepidoptera: Noctuidae: Heliothinae). *Zootaxa*, (473): 1-32.

► See: *Schinia tertia* (Grote), pp. 3-11, Grand Canyon material noted, p. 5
S. albafascia Smith, revised status, pp. 11-15, Grand Canyon material noted, p. 12
See also distribution maps for these species, pp. 30, 31. Illustrated material does not include Grand Canyon specimens.

Polhemus, John T., AND Polhemus, Martin S.

1976 19.1345 Aquatic and semiaquatic Heteroptera of the Grand Canyon (Insecta: Hemiptera). *Great Basin Naturalist*, 36(2) (June): 221-226.

Poppius, B. [Poppius, Bertil Robert]

1914 19.5135 Übersicht der *Pilophorus* Arten nebst beschreibung verwandter Gattungen (Hem. Het.). *Société Entomologique de Belgique, Annales*, 58: 237-254. [In German.]

► Includes: *Pilophorus americanus*, new species (p. 243), types from "Williams, Ar.!" and "Br't Angel, Ar!"
Pilophorus exiguus, new species (pp. 246-247), types from "Br't Angel, Ar!"
The localities thus cited are Williams, Arizona, and Bright Angel Trail (Grand Canyon). Of parenthetical note are several more species recorded in this paper from Williams and Flagstaff, Arizona.

Prakash, Satya

1974 19.4300 Gene differences between the sex ratio and standard gene arrangements of the *X* chromosome and linkage disequilibrium between loci in the standard gene arrangement of the *X* chromosome in *Drosophila pesudoobscura*. *Genetics*, 77 (August): 795-804.

► Materials sample sites include "Grand Canyon (Arizona)" (no further precision).

Pratt, Harry Davis

1945 19.2158 Taxonomic studies of Nearctic Cryptini (Ichneumonidae, Hymenoptera). *American Midland Naturalist*, 34(3) (November): 549-661.

Pujade Villar, Juli, AND Paretas Martínez, Jordi

2012 19.4329 A new species of woody tuberous oak galls from Mexico (Hymenoptera: Cynipidae) and notes with related species. Una nueva especie de agalla leñosa tuberosa en encinos de México (Hymenoptera: Cynipidae) y anotaciones sobre las especies

relacionadas. *Dugesiana* (Universidad de Guadalajara, Centro de Estudios de Zoología, Sección de Entomología), 19(2) (December 21): 79-85. [Paper in English, with bilingual title and abstract.]

► See *Andricus wheeleri* (Beutenmüller, 1907), pp. 82-84; lectotype designated by Pujade-Villar and Paretas-Martínez, American Museum of Natural History collections with label "Caconino [*sic*] Forest, Grand Canyon, Ariz., May 1905, N.W. Wheeler coll."; paralectotypes from Coconino Forest. For Beutenmüller publication, see ITEM NO. 19.4065.

Pyle, Robert Michael

1999 19.4094 *Chasing monarchs : migrating with the butterflies of passage.* Boston and New York: Houghton Mifflin Co., 307 pp.

► See in Chapter 11, "Apache Gold", which includes Lees Ferry-Marble Canyon area.

R

Ragenovich, Iral

1980 19.6683 Southwestern Region (R-3). *In:* Forest insect and disease conditions in the United States, 1978. *U.S. Forest Service, General Technical Report GTR-WO-19*, pp. 20-24.

► See p. 20, under "Mountain pine beetle": "The infestation on the Kaibab National Forest, Ariz., declined to a low level. Activity continued on the adjoining Grand Canyon national Park, but losses were minimal. Mountain pine beetle attacked and killed relatively thrifty trees growing on the best sites in Arizona. no suppression or salvage programs were undertaken." (ENTIRE NOTE)

Rehn, James A. G. [Rehn, James Abram Garfield]

1907 19.16811 Notes on Orthoptera from southern Arizona, with descriptions of new species. *Academy of Natural Sciences of Philadelphia, Proceedings*, 59(1) (January/March): 24-81.

► See *Trimerotropis vinculata* Scudder (p. 45), which includes the note, "Several specimens of this common and widely distributed species from Grand Canyon of the Colorado (Skinner, July 11) are also in hand." (ENTIRE NOTE)

1919 19.3325 Descriptions of new and critical notes upon previously known forms of North American Oedipodinae (Orthoptera; Acrididae); first paper. *American Entomological Society, Transactions*, 45: 229-255, Plates 26-28.

► See *Mestobregma terricolor*, new species, pp. 242-247; female specimen from Grand Canyon noted, pp. 245 *note* 18, 246.

1921 19.3633 Descriptions of new and critical notes upon previously known forms of North American Oedipodinae (Orthoptera; Acrididae); second paper. *American Entomological Society, Transactions*, 47(3): 171-197, plates.

► See *Circotettix coconino*, new species, pp. 187-191, Plate 12, figures 19-21. Referred specimens include two from "Bright Angel, Grand Canyon of the Colorado".

1954 19.1384 Of grasshoppers and their kin; the long, long trail of the specialist on a Spring survey. *Frontiers* (Academy of Natural Sciences of Philadelphia), 19(1) (October): 7-9.

Rehn, James A. G., AND Grant, Harold J., Jr.

1958 19.5288 A revision of the genus *Morsea* (Orthoptera; Acridoidea; Eumastacidae). *American Entomological Society, Transactions*, 84(3/4) (September/December): 217-259.

► See *Morsea californica piute*, new subspecies; includes typical (but non-type) material from northwestern Arizona, and notes on atypical material from Fredonia, Arizona (pp. 239-250); *Morsea californica kaibabensis*, new subspecies, type from "Northwest escarpment slope of Kaibab Plateau" (pp. 250-254); *Morsea californica dumicola* Rehn and Hebard, with remarks on Grand Canyon specimens (pp. 254-259).

Rehn, James A. G., AND Hebard, Morgan

1908 19.1385 An orthopterological reconnoissance of the southwestern United States. Part I: Arizona. *Academy of Natural Sciences of Philadelphia, Proceedings*, 60: 365-402.

► See locality descriptions, pp. 367-368.

See: *Litanutria skinneri* Rehn (p. 370), "A male specimen from the Grand Canyon, altitude 7,000 feet, September 11, 1907."

Paropomala perpallida new species (pp. 373-375, figures 5, 6); "Type: ♂; near Bright Angel Trail, elevation 3,750 feet, Grand Canyon of the Colorado, Coconino County, Arizona. September 12, 1907. Collected by M. Hebard."

Syrbula modesta Bruner (pp. 375-376); "This rather diminutive species was taken at elevations ranging from 4,900 to 5,800 feet in the Grand Canyon, three males and two females being included in the series."

Amphitornus nanus, new species (pp. 376-378, figure 7); "Type: ♂; Grand Canyon of the Colorado, Coconino County, Arizona, altitude 7,000 feet, in conifer forest. September 11, 1907. Collected by Morgan Hebard."

Dissosteira carolina (Linnæus); "Three males and two females of this widely distributed species were taken at Williams, September 13, while a single female was taken September 11 at Bright Angel, Grand Canyon, elevation of 6,850 feet."

Trimerotropis modesta Bruner (p. 390); "A female of this form taken on the rim of the Grand Canyon, near Bright Angel, September 11, and a male taken at Williams, September 13, are in the collection. The specific validity of this form appears to be rather questionable, as its relationship to *T. citrina* is so close that it may be nothing more than a race of that species."

Trimerotropis inconspicua Bruner (p. 390); "Three males of this species taken at Bright Angel, Grand Canyon, 6,880 feet to 7,000 feet, are before us. Two were taken July 29 to August 2, 1906, by Calvert, and one on September 11, 1907, by Hebard."

Trimerotropis vinculata Scudder (pp. 390-391); "This wide ranging species is represented by eighty-three specimens taken as follows: . . . Bright Angel Trail, Grand Canyon, elevation 3,000-7,000 feet, July 29-August 2 (Calvert), September 11 and 12 (Hebard), 3 ♂, 9 ♀."

Trimerotropis cyaneipennis Bruner (p. 391); "A series of sixteen males and seven females of this species was taken at elevations ranging from 3,800 to 7,000 feet on and in the vicinity of the Bright Angel Trail, Grand Canyon, September 11 and 12. [. . .] It was not plentiful along the canyon edge, but lower on the Bright Angel Trail it was found almost everywhere, most plentiful, however, about bare places near precipices."

Circotettix undulatus (Thomas) (pp. 391-392); "A series of seven males and nine females taken near the rim of the Grand Canyon at Bright Angel represents this species. Two males and three females were taken July 29 to August 2, 1906, by Calvert, and the remainder September 11, 1907, by Hebard." *(continued)*

Melanoplus aridus (Scudder) (pp. 396-397); "A very interesting series of this species was taken at localities in northern Arizona, a region from which it was previously not reported. [. . .] a series of fourteen males and eleven females from the riin of the Grand Canyon at Bright Angel, September 11, are very decidedly smaller than Scudder's measurements, some specimens being hardly more than half the size given by him. [. . .] at Grand Canyon it was the most abundant species of Orthoptera and was found everywhere in the undergrowth of the heavier pine woods."

Melanoplus femur-nigrum Scudder (p. 397); "This little known species is represented by a series of two males and three females taken September 11 at the rim of the Grand Canyon at Bright Angel."

Melanoplus canonicus Scudder (pp. 397-398); "A series of two males and seven females. taken September 12 along or near the Bright Angel Trail, Grand Canyon, represent this species. These specimens were taken at altitudes ranging from 4,850 to 6,800 feet, one female alone being from above an elevation of 5,800 feet. [. . .] In size there is considerable variation in the series, all being smaller than Scudder's original measurements."

"*Œcanthus niveus* (DeGeer)" (p. 402); "A single male of this species was taken near Bright Angel Trail, Grand Canyon, at an elevation of about 4,900 feet, September 12. [Oecanthus niveus.]

"*Œcanthus nigricornis* Walker" (p. 402); "A single male from the rim of the Grand Canyon at Bright Angel, September 11, is referred tentatively to this species." [Oecanthus nigricornis.]

See also Rehn and Hebard (1912, ITEM NO. 19.1386) for lectotypifications of selected species.

1909 19.6211 An orthopterological reconnoissance of the southwestern United States. Part III: California and Nevada. *Academy of Natural Sciences of Philadelphia, Proceedings*, 61(3) (October/December): 409-483.

► See p. 409, *Trimerotropis inconspicua* Bruner, noting previous record at "Bright Angel, Grand Canyon".

1912 19.1386 Fixation of single type (lectotypic) specimens of species of American Orthoptera. Section one. *Academy of Natural Sciences of Philadelphia, Proceedings*, 64: 60-128.

► See: With reference to Scudder (1897, ITEM NO. 19.1446), *Melanoplus canonicus* (p. 85)

With reference to Rehn and Hebard (1908, ITEM NO. 19.1385), *Parapomala perpallida* and *Amphitornus nanus* (p. 105)

With reference to Bruner (1904, ITEM NO. 19.372), *Syrbula modesta* (p. 110).

1914 19.6212 Studies in American Tettigoniidae (Orthoptera) I and II. *American Entomological Society, Transactions*, 40(4) (December): 271-344, 9 plates.

► See *Scudderia furcata furcifera* Scudder (pp. 304-307, Plate 10, figure 20); specimens examined include (p. 307) one female in the Hebard collection, collected July 11, 1892, "Grand Canyon of the Colorado, Arizona".

Reinhard, H. J.

1953 19.5493 New muscoid Diptera from the western United States. *Pan-Pacific Entomologist*, 29(1) (January): 49-59.

► See *Fabriciella evanida*, new species; includes male paratype from "S. Grand Canyon, Ariz., August 17, 1949 (P. R. Fitzgerald)".

Reinick, William R.

1902 19.3806 [Feldman Collecting Social, November 20, 1901, Philadelphia.] *In:* Doings of Societies [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 13(1) (January): 24-26. [*NOTE*: Running head in this issue gives date, "Jan. '92".]

► See p. 25: "Mr. [E. A.] Schwarz spoke of the abundance of dragonflies in Arizona around the water which was obtained from artesian wells, and wherever there was a little pool of water it teemed with insect life. He stated that at the top of the Grand Canon the fauna was boreal and ended abruptly at the brink; at the bottom were large forests and a great deal of vegetation existed and the fauna was tropical. The dragonflies seemed to be the only insects flying from the bottom to the top of the canon, which is about forty miles wide and one mile deep." (ENTIRE NOTE, *sic*) *NOTE*: Collections were made by H. S. Barber on the South Rim by Bright Angel Hotel and at Indian Garden only; for details see Rolla P. Currie (1903, ITEM NO. 19.3196).

Ribble, D. W.

1974 19.5282 A revision of the bees of the genus *Andrena* of the western hemisphere; subgenus *Scaphandrena*. *American Entomological Society, Transactions*, 100(2) (June): 101-189.

► See pp. 160-161, *Andrena (Scaphandrena) kaibabensis*, new species; holotype female and three female paratypes (at UCD) "collected on the North Rim of Grand Canyon National Park, June 21, 1949, by W. H. Lang. One female paratype (AMNH) was collected 20 miles south of Jacob Lake, Arizona, June 19, 1958, by W. J. and J. W. Gertsch."

Richmond, Al

2015 19.4829 Visit with Emma Williams, GCHS scholarship winner, at the University of Arizona Tree Ring Lab. *The Bulletin* (Grand Canyon Historical Society), 19(3) (May/June): 2.

► Informational notice only, with two photos including, "Emma and Rich with a Grand Canyon Ponderosa core that shows the cause of the demise . . . bark beetles." (ellipsis is part of legend)

Riddle, Brett R., AND Honeycutt, Rodney L.

1990 19.2119 Historical biogeography in North American arid regions: An approach using mitochondrial-DNA phylogeny in grasshopper mice (genus *Onychomys*). *Evolution*, 44(1) (February): 1-15.

Riesenberg, Mindy

2020 19.6515 Bringing monarch butterflies back from the brink. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 18-21.

Robertson, Jacqueline L.; Gillette, Nancy L.; Lucas, Barbara A.; Russell, Robert M.; AND Savin, N. E.

1978 19.4732 Comparative toxicity of insecticides to *Choristoneura* species (Lepidoptera: Tortricidae). *Canadian Entomologist*, 110 (April): 399-406.

► Materials include live diapausing *C. conflictana* from North Rim of Grand Canyon.

Robinson, Harold

1967 19.5947 New species of Dolichopodidae from the United States and Mexico (Diptera). *Entomological Society of Washington, Proceedings* (Washington, D.C.), 69(2) (June): 114-127.

► Includes *Chrysotimus arizonicus*, new species (p. 125, figure 29 [p. 118]); holotype, allotype, and paratype from "Grand Canyon National Park (north rim)".

Rosi-Marshall, Emma J.; Cross, Wyatt F.; Kennedy, Theodore A.; Kincaid, Dustin W.; AND Hall, Robert O., Jr.

2008 19.2760 Effects of the 2008 beach/habitat-building flow test on invertebrates downstream of Glen Canyon Dam [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 33-34.

Rosi-Marshall, Emma J.; Kennedy, Theodore A.; Kincaid, Dustin W.; Cross, Wyatt F.; Wellard Kelly, Holly A.; Behn, Kathrine A.; White, Tyler; Hall, Robert O., Jr.; AND Baxter, Colden V.

2010 19.3202 Short-term effects of the 2008 high-flow experiment on macroinvertebrates in Colorado River below Glen Canyon Dam, Arizona. *U.S. Geological Survey, Open-File Report 2010-1031*, 28 pp.

Ross, C. L., AND Markow, T. A.

2006 19.4915 Microsatellite variation among diverging populations of *Drosophila majavensis*. *Journal of Evolutionary Biology*, 19(5) (September): 1691-1700.

Ruiter, David E.

1999 19.1415 A new species and new synonym in the genus *Psychoronia* (Limnephilidae), with significant records for caddisflies (Trichoptera) from western North America. *Great Basin Naturalist*, 59(2): 160-168.

► See: "*Micrasema onisca* Ross 1947. Arizona: Coconino County, front passage to Roaring Springs Cave, Grand Canyon National Park, D. Blinn, 28 September 1994, 1M 1F (DB)." (p. 164)

"*Lepidostoma apornum* Denning 1949. Arizona: Coconino County, front passage to Roaring Springs Cave, Grand Canyon National Park, D. Blinn, 28 September 1994, 1M (DB)" (p. 166) (ENTIRE NOTES)

Ryckman, Raymond E.

1986 19.5492 The vertebrate hosts of the Triatominae of North and Central America and the West Indies (Hemiptera: Reduviidae: Triatominae). *Society of Vector Ecologists, Bulletin*, 11(2) (December): 221-241.

► See *Paratriatoma hirsuta hirsuta* Barber, pp. 233-234, which notes collections from "Arizona in *Neotoma* lodges from the Phantom Ranch in the Grand Canyon, Coconino Co." (ENTIRE NOTE)

S

Safford, Matt

2015 19.5945 *Invertebrate biodiversity surveys in Grand Canyon National Park : 2015 annual report.* U.S. National Park Service, Grand Canyon National Park, 13 pp.

Sanderson, M.; Usher, H. D.; Leibfried, B.; AND Byars, B.

1982 19.1424 Insect density and diversity on Colorado River beaches. Part II. Black light trapping. *In: Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 56-76.

Scarborough, Aubrey G.; Stevens, Lawrence E.; AND Nelson, C. Riley

2012 19.3767 The *albibarbis*-complex of *Efferia* Coquillett, 1910 from the Grand Canyon region, southwestern U.S.A., with three new species and new distribution records (Diptera: Asilidae). *Pan-Pacific Entomologist*, 88(1) (January): 58-86.

► Of the three new species, only one, *Efferia tapeats* (pp. 75-78), is based on type material from within the area embraced by this bibliography; the holotype was taken at Clear Creek, Grand Canyon. Other material for this species and others in this paper are recorded from the region covered by this bibliography.

Schell, Dorothydean Viets

1943 19.6155 The Ochteridae (Hemiptera) of the western hemisphere. *Kansas Entomological Society, Journal*, 16(1) (January): 29-36, (2) (April): 37-47.

► See: *Ochterus viridifrons* (Champion, 1901) (pp. 27-38 [note straddling of two dates, January and April]), notes briefly (p. 38), "One female specimen from the United States National Museum, bearing a Grand Canyon, Arizona label, appears to be *viridifrons*, but an examination of the male genitalia would be necessary for accurate determination."

Ochterus barberi, new species (pp. 41-42), holotype male in U.S. National Museum, from "Colorado Canyon, Arizona", two paratypes in American Museum of Natural History, "collected at Grand Canyon, Arizona" (allotype and 61 additional paratypes from Arizona localities extralimital to the region covered by this bibliography). No further collecting data published. *(continued)*

See also Kment *et al.* (2020, ITEM NO. 19.6488) regarding the type of *O. barberi* and Schell's identification of *O. viridifrons*.

Schellbach, Louis, III

1933 19.5068 [Tarantulas.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.

Schmid, John M.

2007 19.5911 Appendix B—John M. Schmid's recollections of forest insect research at the RM Station, 1963 to 1992. *In:* Furniss, Malcolm M., A history of forest entomology in the Intermountain and Rocky Mountain areas, 1901 to 1982. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-195*, pp. 26-30.

► Includes Kaibab Plateau.

Schmid, J. M., AND Bennett, D. D.

1988 19.1431 The North Kaibab pandora moth outbreak, 1978-1984. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-153*, 18 pp.

Schmid, J. M.; Bennett, D. D.; AND Andrews, M.

1983 19.1432 Distribution of pandora moth egg masses and first stage larvae. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-432*, 4 pp.

Schmid, J. M.; Bennett, D. D.; Young, R. W.; Mata, S. A.; Andrews, M.; AND Mitchell, J. C.

1982 19.1433 Sampling larval populations of the pandora moth, *Coloradia pandora*, *Pinus ponderosa* infestation on the Kaibab Plateau near Jacob Lake, Arizona. *U.S. Forest Service, Rocky Mountain Forest Experiment Station, Research Note RM-421*, 5 pp.

Schmid, J. M.; Farrar, P. A.; AND Mitchell, J. C.

1982 19.1434 Distribution of pandora moth egg masses and pupae near Jacob Lake, Arizona. *Environmental Entomology*, 11(3) (June): 701-704.

Schmid, J. M.; Farrar, P. A.; AND Ragenovich, I.

1981 19.2288 Length of western tent caterpillar egg masses and diameter of their associated stems. *Great Basin Naturalist*, 41(4): 465-466.

Schmid, J. M.; Mitchell, J. C.; Carlin, K. D.; AND Wagner, M. R.

1984 19.2287 Insect damage, cone dimensions, and seed production in crown levels of ponderosa pine. *Great Basin Naturalist*, 44(4): 575-578.

Schmid, J. M.; Mitchell, J. C.; AND Mata, S. A.

1986 19.2302 Ponderosa pine conelet and cone mortality in central Arizona. *Great Basin Naturalist*, 46(3): 445-448.

► Includes South Rim.

Schmid, J. M.; Thomas, L.; AND Rogers, T. J.

1981 19.3447 Prescribed burning to increase mortality of pandora moth pupae. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-405*, 3 pp.

Schmidt, John

2003 19.5582 Twenty five years of forest insect research and related events. The Founders' Award Address / La Presentación del premio Fundador. *In:* Steed, Brytten (compiler), *Proceedings of the 1st Joint Meeting of the 12th National Symposium on Forest Parasites and the 54th Western Forest Insect work Conference (WFIWC) / Memorias de la Primera Reunión Conjunta XII Simposio Nacional de Parasitología Forestal y 54ava Conferencia de Entomología Forestal de Oeste : Guadalajara, Mexico, November 3-6, 2003 : Enhancing our Partnerships : Fomentando Nuestra Colaboración.* [No place]: Western Forest Insect Work Conference; and México, Secretaría Medio Ambiente y Recursos Naturales, Comisión Nacional Forestal, pp. 4-8.

► See p. 6, remarks on work on the Kaibab Plateau in 1982 and 1983.

Schmidt, Laurie J.

2010 19.3790 Chewed out. An invasive plant called tamarisk has been killing off cottonwoods and destroying river habitat for decades. Now park rangers are hoping a beetle can turn the tide. *National Parks*, 84(1) (Winter): 20-21.

Schuh, Randall T.

2001 19.6067 Revision of New World *Plagiognathus* Fieber, with comments on the Palearctic fauna and the description of a new genus (Heteroptera: Miridae: Phylinae). *American Museum of Natural History, Bulletin 226*, 267 pp.

► See: *Plagiognathus longipennis* (Uhler) (pp. 151-155), specimens examined include "N. Rim Grand Canyon, Pt. Imperial, August 1, 1967, D. C. Rentz, 2♂, 1♀ (UCB)."

P. tenellus Knight (p. 229), specimens examined include "Grand Canyon, top of Bright Angel Trail, August 2, 1917, H. H. Knight, paratypes: 2♂, 2♀ (USNM); holotype male (USNM).", Figure 13 (p. 105, legend on p. 264, "*tenellus* (paratype male: Arizona: Coconino Co.: Grand Canyon)").

Scott, James A.

1981 19.5133 "Butterflies of the Rocky Mountain States"; Ferris, C. & F. M. Brown, eds., with 8 contributors (F. M. Brown, D. Eff, S. L. Ellis, C. D. Ferris, M. S. Fisher, L. D. Miller, J. A. Scott and R. E. Stanford). 1981. 442 p. Univ. Oklahoma Press. *In:* Book Reviews [SECTION]. *Journal of Research on the Lepidoptera*, 20(1): 58-64.

► A review of the book edited by Ferris and Brown, but with pertinent added remarks on taxonomy. See p. 62, with reference to *Cercyonis* of the Kaibab Plateau.

2006 19.5132 *Cercyonis sthenele/meadii*, stenchospecies. *In:* Scott, James A., Fisher, Michael S., Kondla, Norbert G., Kohler, Steve, Guppy, Crispin S., Spomer, Stephen M., and Schmidt, B. Chris, Taxonomic studies and new taxa of North American butterflies. *Papilio*, New Series, (12) (April 28): 28-30.

► Includes North Rim of Grand Canyon. ("Stenchospecies" = superspecies concept.)

Scudder, Samuel Hubbard

1878 19.1971 Notice of the butterflies collected by Dr. Edward Palmer in the arid regions of southern Utah and northern Arizona during the summer of 1877. *U.S. Geological and Geographical Survey of the Territories, Bulletin*, 4: 253-258.

► Includes various species described from Mount Trumbull and Mokiak Pass, among which are the following new species:
Neominois dionysus (p. 254), localities include Mount Trumbull
Synchloe thoosa (p. 257), holotype female from Mokiak Pass
A new species of *Thanaos* (pp. 257-258) yet to be described on a single female from Mount Trumbull.

1897 19.1446 Revision of the orthopteran group Melanopli (Acridiidae), with special reference to North American forms. *U.S. National Museum, Proceedings*, 20: 1-421, plates 1-26.

► See: *Melanoplus canonicus*, new species, pp. 300-301, plate 20, figure 1 (known only from Grand Canyon)
Poecilotettix sanguineus, new species, pp. 387-389, plate 26, figure 2 (including Grand Canyon but Grand Canyon specimen not figured)
See also Rehn and Hebard (1912, ITEM NO. 19.1386) for lectotypifications of selected species.

1899 19.2803 The orthopteran genus *Schistocerca*. *American Academy of Arts and Sciences, Proceedings*, 34(17) (March): 441-476.

► See p. 466: *Schistocerca albolineata*; "Specimens at hand come from . . . and Grand Cañon, Ariz., July 5 (Bruner)."

Searl, Clyde C.

1931 19.1450 Beetles. *Grand Canyon Nature Notes*, 5(3) (January): 25-26.

► Includes "list of beetles collected July 15, 1930, of a few hours' journey down the Kaibab Trail from the North Rim to Roaring Springs".

1931 19.1452 Some beetles of Grand Canyon. *Grand Canyon Nature Notes*, 5(6) (April): cover, 54-55.

1931 19.1453 An interesting bug. *Grand Canyon Nature Notes*, 5(7) (May): 64-65.

► Cicadas at Grand Canyon village.

1931 19.5389 [Beetles.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69.

► Wood-boring bettle, *Dendroetonus valens*, emerging from logs in Yavapai Observation Station.

1931 19.5394 [*Eremocoris obscurus*.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70.

1931 19.1454 [Lantern-fly.] *Grand Canyon Nature Notes*, 5(8) (June): 77.

1931 19.1456 Dragon-flies at Grand Canyon. *Grand Canyon Nature Notes*, 6(2) (December): 16-18.

1932 19.1458 Vandals of the sand. *Grand Canyon Nature Notes*, 6(5) (March): cover, 41-42.

► Ant lions and tiger beetles.

1932 19.1460 An insect observation. *Grand Canyon Nature Notes*, 7(5) (August): 51-52.

► Cicadas.

1932 19.1461 Insect notes. *Grand Canyon Nature Notes*, 7(6) (September): 57.

1994 19.1464 Some beetles of Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 78.

► Reprinted from *Grand Canyon Nature Notes*, April, 1931.

1994 19.1465 An interesting bug. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 79.

► Reprinted from *Grand Canyon Nature Notes*, May, 1931; cicada.

1994 19.1466 Dragonflies at Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 80-81.

► Reprinted from *Grand Canyon Nature Notes*, December, 1931.

1994 19.1467 Vandals of the sand. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 81.

► Reprinted from *Grand Canyon Nature Notes*, March, 1932; ant lions.

Segraves, Kari A., AND Pellmyr, Olle

2001 19.4914 Phylogeography of the yucca moth *Tegeticula maculata*: the role of historical biogeography in reconciling high genetic structure with limited speciation. *Molecular Ecology*, 10: 1247-1253.

Selleck, S. Shane

2012 19.3738 The USGS Sonoran Desert Research Center. *In:* Muller, Seth (ed.), *Science Research 2012 : special supplement brought to you by* Arizona Daily Sun. [Flagstaff, Arizona]: Arizona Daily Sun, p. 24.

► Includes focuses on tamarisk and northern tamarisk beetle across the Colorado Plateau.

Shannon, Joseph P.; Blinn, Dean W.; Stevens, Lawrence E.; AND Macauley, Jeanette

1992 19.1477 The ecology and distribution of benthic algae and associated macroinvertebrates in the dam-controlled Colorado River through Grand Canyon, Arizona [ABSTRACT]. *North American Benthological Society, Bulletin*, 9(1): 70-71.

Shaw, F. R.

1951 19.6115 Some new Mycetophilidae from the western United States. *Brooklyn Entomological Society, Bulletin*, 46(3) (June): 65-70.

► See *Mycetophila denningi*, new species (p. 67, Plate 3, Figure 4 [p.69]); "Described from one male [holotype] collected by D. G. Denning at Grand Canyon, Arizona on June 18, 1949."

Shear, William A. [Shear, Bill]

2007 19.5718 Cave millipedes in the Rocky Mountains. *Utah Caver Annual 2006* (National Speleological Society, Utah Grottos) (August 2007): 11-12.

► Includes Millepede Cave, Mohave County, Arizona Strip.

Shear, William A.; Taylor, Steven J.; Wynne, J. Judson; AND Krejca, Jean K.

2009 19.4221 Cave millipeds of the United States. VIII. New genera and species of polydesmidan millipeds from caves in the southwestern United States (Diplopoda, Polydesmida, Macrosternodesmidae). *Zootaxa*, (2151): 47-65.

► Includes *Pratherodesmus voylesi* Shear, new species, from October Gyp Cave and Millipede Cave, Mohave County, Arizona Strip.

Shelley, Rowland M.

2001 19.6061 A synopsis of the milliped genus *Aniulus* Chamberlin (Julida: Parajulidae: Parajulinae: Aniulini). *In:* Reddell, James R., and Cokendolpher, James C. (eds.), Studies on the cave and endogean fauna of North America. III. *Texas Memorial Museum, Speleological Monographs*, (5): 73-95.

► See *Aniulus paiutus* (Chamberlin) (pp. 79-81); specimens examined include one male, three females from "outside North Rim Grand Canyon Nat. Pk.", collected 26 August 1993.

Shelley, Rowland M., AND Richart, Casey H.

2014 19.5131 Tynommatidae, n. stat. a family of western North American millipeds: Hypotheses on origins and affinities; tribal elevations; rediagnoses of *Diactis* Loomis, 1937, and *florea* and *Caliactis*, both Shelley, 1996; and description of *D. hedini*, n. sp. (Callipodida: Schizopetalidae). *Insecta Mundi* (Center for Systemtic Entomology, Gainesville, Florida), (340): 1-19. ["n. stat." = New status.]

► See under Tynommatidae: Colactidinae (p. 17), record of *Colactis utorum* (Chamberlin, 1925) from various localities in Grand Canyon, collected by Lawrence E. Stevens, 2000-2002.

Shelley, Rowland M., AND Stevens, Lawrence E.

2003 19.5129 Discovery of the milliped *Tylobolus utahensis* Chamberlin in Arizona (Spirobolida: Spirobolidae). *Western North American Naturalist*, 63(4): 541-542.

► One male and one female specimen collected by Stevens on April 3, 2001, at Upper Deer Creek spring, Grand Canyon. Not illustrated.

Shields, Oakley

1965 19.5584 *Callophrys* (*Mitoura*) *spinetorum* and *C.* (*M.*) *johnsoni*: Their known range, habits, variation, and history. *Journal of Research on the Lepidoptera*, 4(4): 233-250.

► See locality data for *Callophrys* (*Mitoura*) *spinetorum* (Hewitson): "Grand Canyon, V-27-33, I9 (D. K. Duncan, AMNH). Hermit Basin, S. Rim Grand Canyon, 5250', VI-4-42, 3♂ 1♀ (J. S. Garth, in Garth, 1950). Mather Point, S. Rim Grand Ganyon, V-26-60, I♂ (K. Roever). Neal Spring, N. Rim Grand Canyon, VI-14-56, 1 (V. Nabokov, CU). [. . .] Pima Point, Grand Canyon, V-25-60, I♀ (K. Roever) [. . .] Swamp Ridge, N. Rim Grand Canyon, 7500-7750', VII-16-47, 1♂ (J. S. Garth, in Garth, 1950) [. . .] Yavapai Point, S. Rim Grand Canyon, 7000', VI-3-42, 1♂ (J. S. Garth); VII-12 to 18-44 (L. Schellbach, in Garth, 1950) . . . ."

Sinclair, B. J.

2006 19.2960 A new species of *Wiedemannia* Zetterstedt from Grand Canyon National Park, with notes on additional Nearctic species (Diptera: Empididae). *Entomological Society of Ontario, Journal*, 137: 25-30.

► *Wiedemannia digna*, new species; type locality Vasey's Paradise.

Sissom, W. David, AND Francke, Oscar F.

1981 19.4173 Scorpions of the genus *Paruroctonus* from New Mexico and Texas (Scorpiones, Vaejovidae). *Journal of Arachnology*, 9: 93-108.

► See *Parroctonus aquilonalis* (Stahnke, 1940), pp. 94-96, which notes discrepancy in location of the type locality for *Vijovis aquilonalis*, corrected to "30 miles south of the Grand Canyon, Arizona". (Refer to Stahnke, 1940, ITEM NO. 19.4170.)

Skinner, Henry

1907 19.3354 (RECORDER) [Meeting of Entomological Section, Academy of Natural Sciences of Philadelphia, January 24, 1907.] *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 18(6) (June): 266.

► Includes note: "Dr. Calvert exhibited *Argia moesta* Hagen, found at Grand Canyon, Nuevo Laredo and Lake Chapala, Mexico, etc., and described the differences in both sexes in the specimens from these various localities. These differences were illustrated by averages. The question of the specific identity or difference in the forms was raised." (ENTIRE NOTE) As a matter of documentation, see also the paper by Philip P. Calvert, "An Entomological Journey in Mexico, with Special Reference to Odonata", 18(6) (June): 231-237 [ITEM NO. 2.14950 in THE GRAND CANON Volume 1/Part B], wherein his itinerary included "July 29-Aug. 3 [1906]. At Grand Canyon of the Colorado River, Arizona." without further remark in that paper regarding visit to Grand Canyon.

Smiley, Robert L., AND Moser, John C.

1974 19.6154 New tarsonemids associated with bark beetles (Acarina: Tarsonemidae). *Entomological Society of America, Annals*, 67(4) (July): 639-665.

► See *Heterotarsonemus nakaharai*, new species (pp. 645-647); holotype, female "collected from *Ips knausi* Swaine in *Pinus ponderosa* Douglas at Grand Canyon,

Arizona." Collector and collection date unknown; material in Canadian National Collection, 13177.

Smith, Marion R.

1939 19.2962 Notes on *Formica (Neoformica) moki* Wheeler, with description of a new subspecies (Hymenoptera: Formicidae). *Entomological Society of America, Annals*, 32: 581-584.

► Redescription of the species that was first named from Grand Canyon specimens by Wheeler (1906, ITEM NO. 19.1853). (The new subspecies, *Formica* (*Neoformica*) *moki* subsp. *xerophila*, is from Leavenworth, Washington, and thus extralimital to this bibliography.)

1952 19.4940 North American *Leptothorax* of the *tricaninatus-texanus* complex (Hymenoptera: Formicidae). *New York Entomological Society, Journal*, 60 (June): 96-106.

► See *Leptothorax (Myrafant) tricarinatus neomexicanus* Wheeler (pp. 100-102), including notes of occurrence in "Kohonino Forest on the rim of the Grand Canyon" (p. 101, credited to Wheeler) and note of Wheeler's observation of "a small colony beneath a stone in the Kohonino Forest on the rim of the Grand Canyon" (p. 102).

Snelling, Gordon C., AND Snelling, Roy R.

2007 19.5221 New synonymy, new species, new keys to *Neivamyrmex* army ants of the United States. *In:* Snelling, Roy R., Fisher, Brian L., and Ward, Philip S. (eds.), Advances in ant systematics (Hymenoptera: Formicidae): Homage to E. O. Wilson—50 years of contributions. *American Entomological Institute, Memoirs*, 80: 459-550.

► See *Neivamyrmex nyensis* Watkins (p. 486); localities of examined specimens include "Arizona, Coconino Co.: Havasu Canyon", with brief comment on the Havasu Canyon collection.

Snelling, Roy R.

1974 19.6108 Changes in the status of some North American *Polistes* (Hymenoptera: Vespidae). *Entomological Society of Washington, Proceedings* (Washington, D.C.), 76(4) (December): 476-479.

► See p. 477, *Polistes kaibabensis* Hayward, new status for *P. canadensis* var. *kaibabensis* Hayward, 1932 [see ITEM NO. 19.6107, type material from North Rim and Point Sublime]. "This is a common form in the Grand Canyon area of Arizona."

Snyder, T. E.

1923 19.4077 Forest insect investigations. *U.S. Department of Agriculture, Bureau of Entomology, Monthly Letter*, (109) (May): 2-3.

► See p. 2: "W. D. Edmonston and George Hofer are at present on the Kaibab National Forest and Grand Canyon National Park, where control work is being conducted in cooperation with the Forest Service of this Department and the National Park Service of the Interior Department against the Black Hills beetle, *Dendroctonus ponderosae* Hopk." (ENTIRE NOTE)

1923 19.4078 Forest insect investigations. *U.S. Department of Agriculture, Bureau of Entomology, Monthly Letter*, (112) (August): 2-3.

► See p. 3: "Mr. Edmonston and Mr. Hofer are camped at Bright Angel, on the north rim of the Grand Canyon, engaged in an examination of the 17,000 acres treated last season. The purpose of this survey is to determine the results of last season's work and to formulate plans for next season." (ENTIRE NOTE)

Sojourner, Mary

1997 19.6091 Fire ants. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 33(3) (April): 6.

► Regarding an encounter at Lower National camp on the Colorado River.

1999 19.1516 Fire ants. *The Waiting List* (Grand Canyon Private Boaters Association), 3(2) (May): 19.

► Regarding an encounter at Lower National camp on the Colorado River.

Sokoloff, Alexander

1959 19.4685 Studies of quantitative characters in *D. pseudoobscura*. *Drosophila Information Service* (University of Oregon, Department of Biology), (33) (November): 162-165.

► Data derived from "material collected at the Grand Canyon"; live-collected.

1965 19.4686 A possible maternal effect on quantitative characters of *D. pseudoobscura*. *Drosophila Information Service* (University of Oregon, Department of Biology), (40) (January): 90-92.

► Data derived from specimens gathered at "Grand Canyon, Arizona".

1965 19.2123 Geographic variation of quantitative characters in populations of *Drosophila pseudoobscura*. *Evolution*, 19(3) (September): 300-310.

Soleglad, Michael E.; Fet, Victor; AND Lowe, Graeme

2011 19.4172 Contributions to scorpion systematics. IV. Observations on the *Hadrurus* "*spadix*" subgroup with a description of a new species (Scorpiones: Caraboctonidae). *Euscorpius*, (112), 36 pp.

► See p. 5. "*Hadrurus spadix* Stahnke, 1940 (66 specimens): General localities used in trichobothrial analysis (Soleglad, 1976; Fet, Soleglad & Barker, 2001): Arizona: Coconino County: Grand Canyon, 1 specimen . . . ."

Soto, Limaris; Lambert, Paige; AND Bitting, Chelsea

2019 19.6487 *Geoscientists-in-the-Parks Internship Program : program report, Fiscal Year 2019.* Denver: U.S. National Park Service, Geoogic Resources Division, 40 pp. [including wraps].

► See photo: "Youth sampling dragonfly larvae at Elves Chasm in Grand Canyon National Park, Arizona during a Grand Canyon Youth Partners in Science river trip" (p. 34).

Sourakov, Andrei

1995 19.4720 Systematics, evolutionary biology and population genetics of the *Cercyonis pegala* group (Lepidoptera: Nymphalidae: Satyrinae). *Holarctic Lepidoptera*, 2(1): 1-20.

► Grand Canyon, see *Cercyonis pegala damei* (Barnes and Benjamin), "which occurs on the North Rim and northern slopes of the Grand Canyon", also synonymized as *C. sthenele damei*, pp. 6-8, 13.

Sparavigna, Amelia Carolina

2016 19.6511 Patterned vegetation created by red harvester ants and evidenced in satellite images. *HAL archives-ouvertes*, ID: hal-02189240, https://hal.archives-ouvertes.fr/hal-012892040, [6] pp.

► Includes Toroweap Valley, Grand Canyon.

2016 19.6512 Patterned vegetation created by ants and observed in satellite images of rizona. *Philica (Elettronico)* (Politecnico di Torino, Repository Istituzionale), http://www.philica.com/printer_article.php?article_id=555, 3 pp.

► Includes Toroweap Valley, Grand Canyon.

Speas, David W.

2000 19.1974 Zooplankton density and community composition following an experimental flood in the Colorado River, Grand Canyon, Arizona. *Regulated Rivers: Research and Management*, 16(1): 73-81.

Speas, David W., AND Dresser, Thomas J., Jr.

1997 19.1529 Aquatic invertebrates of the Colorado River, Grand Canyon, AZ, following the 1996 experimental beach/habitat-building test flow. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, pp. 74-75.

Stahnke, Herbert L.

1939 19.4174 *The scorpions of Arizona.* Doctoral dissertation, Iowa State College, 185 pp.

1940 19.4170 The scorpions of Arizona. *Iowa State College Journal of Science*, 15 (October): 101-103.

► *NOTE*: Location of type locality for *Vijovis aquilonalis*, new species, corrected by Sissom and Francke (1981, ITEM NO. 19.4173).

1945 19.4171 Scorpions of the genus *Hadrurus* Thorell. *American Museum Novitates*, (1298), 9 pp.

► See *Hadrurus spadix* Stahnke, pp. 4-5; locality records include Grand Canyon.

Stallings, Don B., AND Turner, J. R.

1957 19.4417 Four new species of *Megathymus* (Lepidoptera, Rhopalocera, Megathymidae). *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 68(1) (January): 1-16.

► See *Megathymus alliae*, new species, pp. 1-5, Plate 1; "Described from 62 specimens (35 males and 27 females) collected 15 miles west of Cameron, Ariz., along the canyon of the Little Colorado River, elevation 5000 ft."

Stehr, Frederick W., AND Cook, Edwin F.

1968 19.6423 A revision of the genus *Malacosoma* Hübner in North America (Lepidoptera: Lasiocampidae): Systematics, biology, immatures, and parasites. *U.S. National Museum, Bulletin 276*, 321 pp.

Stephens, S. Sky; Romero, Sheryl A.; AND Krist, Frank J.

2022 19.6786 (COMPILERS) Major forest insect and disease conditions in the United States 2020. *U.S. Forest Service, State and Private Forestry, FS-1202*, 26 pp.

► See: "Spruce Beetle *Dendroctonus rufipennis*" (pp. 7-8), "A small but notable increase in spruce mortality was also observed in Grand Canyon National Park, north of the rim on the Kaibab Plateau."

"Mountain Pine Beetle *Dendroctonus ponderosae*" (pp. 19-20), "Observed tree mortality was limited to a few scattered single trees in high elevation stands on south and southwestern facing slopes in northern Arizona on the Kaibab National Forest and Coconino National Forest."

"Western Spruce Budworm *Choristoneura freemani*" (pp. 23-24), "In Arizona, defoliation by the WSBW continued to be observed on the Kaibab Plateau around Pleasant Valley and De Motte Park."

Stevens, Lawrence Edward [Stevens, Larry]

1976 19.1546 An insect inventory of the Grand Canyon. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* Grand Canyon National Park, Colorado River Technical Report 10, pp. 123-127. (Volume: Final research report for National Park Service (contract No. CX821500007), Colorado River Research Series, Contribution 38; Museum of Northern Arizona, Biology Department.)

1976 19.1547 Insect production on native and introduced dominant plant species. *In:* Carothers, S. W., and Aitchison, S. W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs : final research report.* Grand Canyon National Park, Colorado River Technical Report 10, pp. 129-135. (Volume: Final research report for National Park Service (contract No. CX821500007), Colorado River Research Series, Contribution 38; Museum of Northern Arizona, Biology Department.)

1985 19.1550 *Invertebrate herbivore community dynamics on* Tamarix chinensis *Loueiro and* Salix exigua *Nuttall in the Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 162 pp.

2010 19.3363 Dragonflies and damselflies of the Grand Canyon. *Grand Canyon River Runner*, (11) (Winter): 4-5.

2013 19.5444 Dragonflies of the Grand Canyon region: Diversity and biogeography [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 116.

Stevens, Lawrence E., AND Bailowitz, Richard A.

2005 19.2708 Distribution of *Brechmorhoga* clubskimmers (Odonata: Libellulidae) in the Grand Canyon region, southwestern USA. *Western North American Naturalist*, 65(2) (April): 170-174.

2009 19.2947 Odonata biogeography in the Grand Canyon ecoregion, southwestern USA. *Entomological Society of America, Annals*, 102(2): 261-274.

Stevens, Larry [Stevens, Lawrence E.]**, AND Burke, Kelly**

2009 19.3032 Grand Canyon assault. *Boatman's Quarterly Review*, 22(4) (Winter 2009-2010): 14-15.

► Tamarisk leaf beetle.

Stevens, Lawrence E., AND Huber, R. L.

2004 19.2460 Biogeography of tiger beetles (Cicindelidae) in the Grand Canyon ecoregion, Arizona and Utah. *Cicindela*, 35: 41-64.

Stevens, Lawrence E., AND Ledbetter, Jeri D.

2012 19.4258 *Rare invertebrate species of Kaibab National Forest, northern Arizona: Final report.* Flagstaff, Arizona: Museum of Northern Arizona, *for* U.S. Forest Service, Kaibab National Forest, 33 pp. (FS Agreement No. 10-CS-11030420-038.)

► All ranger districts. Regarding "3 invertebrate species that the Forest Service recognized as potentially warranting management attention." Persephone's Darner (*Aeshna persephone* Donnelly 1961), Kaibab Variable Tiger Beetle (*Cicindela terricola kaibabensis* Johnson 1990), Kaibab Indra Swallowtail (*Papilio indra kaibabensis* Bauer 1955).

Stevens, Lawrence E., AND Menke, Arnold S.

2014 19.5995 Biogeography of *Ammophila* (Hymenoptea: Sphecidae) in the Grand Canyon ecoregion, southwestern USA. *Western North American Naturalist*, 74(2): 216-222.

Stevens, Lawrence E., AND Petterson, Jim

1996 19.1570 Be(e) alert! Africanized honeybees in Grand Canyon. *Boatman's Quarterly Review*, 9(4): 16-17.

Stevens, Lawrence E., AND Polhemus, John T.

2008 19.2709 Biogeography of aquatic and semiaquatic Heteroptera in the Grand Canyon ecoregion, southwestern USA. *Monographs of the Western North American Naturalist*, 4: 38-76.

Stevens, Larry [Stevens, Lawrence E.]**, AND Steiner, Warren**

2013 19.4320 The Tenebrionidae of Arizona: An invitation to help develop a preliminary list [ABSTRACT]. *In: Third International Tenebrionoidea Symposium, Wednesday, August 7 and Thursday, August 8, 2013, Arizona State University, Life Science Center, LSE 244, Tempe, AZ*, p. [2].

Stevens, Lawrence E.; Bailowitz, Richard A.; AND Danforth, Douglas

2020 19.6583 *Dragonflies and damselflies of the Grand Canyon region.* Flagstaff, Arizona: Springs Stewardship Institute, 128 pp.

Stevens, Lawrence E.; Pitts, James P.; Wasbauer, Marius; AND Zimmerman, J.

2013 19.5445 Regional zoogeography of five aculeate wasp families (Hymenoptera: Vespoidea) in the Grand Canyon region, Arizona: Bradynobaenidae, Mutillidae, Tiphiidae, Scoliidae, and Pompilidae [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 116.

Stevens, Lawrence E.; Ramberg, Frank B.; AND Darsie, Richard F., Jr.

2008 19.2872 Biogeography of Culicidae (Diptera) in the Grand Canyon region, southwestern U.S.A. *Pan-Pacific Entomologist*, 84(2): 92-109.

Stevens, Lawrence E.; Sublette, James E.; Shannon, Joseph P.

1998 19.1582 Chironomidae (Diptera) of the Colorado River, Grand Canyon, Arizona, USA, II: Factors influencing distribution. *Great Basin Naturalist*, 58(2): 147-155.

► For part 1, see Sublette *et al.* (1998, ITEM NO. 19.1644).

Stonedahl, Gary M., AND Schwartz, Michael D.

1996 19.1591 Two new genera for pine-inhabiting species of Phylini in North America (Heteroptera: Miridae: Phylinae). *American Museum Novitates*, (3166), 15 pp.

Stumpf, Stacy E.

2016 19.5597 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit, Garden, and Bright Angel Creeks in Grand Canyon National Park : 2014 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 20, 19 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2016/1060*.)

2017 19.5598 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit, Garden, and Bright Angel Creeks in Grand Canyon National Park : 2015 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 20, 22 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2017/1110*.)

Stumpf, Stacy E., AND Monroe, Stephen A.

2011 19.5599 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek in Grand Canyon National Park : 2009 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 16 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2011/287*.)

2011 19.5600 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2010 summary report, revised March 2012.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 35 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2012/265*.)

2012 19.5601 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2011 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 35 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2012/418*.)

2014 19.5602 *Aquatic macroinvertebrate and physical habitat monitoring for Hermit Creek, Garden Creek, and Bright Angel Creek in Grand Canyon National Park : 2013 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 41 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2014/737*.)

Sturdevant, Glen E.[2]

1926 19.1598 Dragon fly. *Grand Canyon Nature Notes*, 1(4): 3.

1926 19.1600 Daily battles. *Grand Canyon Nature Notes*, 1(4): 6.

► Doodle bug.

Sublette, James E.; Stevens, Lawrence E.; AND Shannon, Joseph P.

1998 19.1644 Chironomidae (Diptera) of the Colorado River, Grand Canyon, Arizona, USA, I: Systematics and ecology. *Great Basin Naturalist*, 58(2): 97-146.

► For part 2, see Stevens, Sublette, and Shannon (1998, ITEM NO. 19.1582).

Sugarman, Barbara

2014 19.4548 Has Pandora's Box been opened? A study on Pandora moths in northern Arizona [ABSTRACT]. *In: Northern Arizona University, 2014 Undergraduate Symposium Abstracts*. Flagstaff, Arizona: Northern Arizona University, p. 187.

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[2] Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

Svinarenko, Igor [Свинаренко, Игорь]

1999 19.4069 Бабочка и смерть [Babochka i smert'] [Butterfly and death]. *Власть* [*Vlast'*] [Power] (Moskva), (16)(317) (April 27): [unpaginated]. [In Russian.]

► See illustrated sidebar, "Энтомология русской литературы; Набоков открыл 20 видов бабочек и дал им названия" [Entomologiya russkoy literatury; Nabokov otkryl 20 vidov babochek i dal im nazvaniya] [Entomology of Russian literature; Nabokov discovered 20 species of butterflies and gave them names], which includes note of a butterfly from Grand Canyon, *Cyllopsis pertepida dorothea* (see Nabokov, 1942, ITEM NO. 19.2212).

Swain, J. M.

1924 19.6018 The allies of *Ips confusus* Lec. in western America; Family Ipidae, Coleoptera. *Canadian Entomologist*, 56(3) (March): 69-72.

► *NOTE*: Cited here with question. Le Conte (1876, ITEM NO. 19.6017), p. 364, named the new species *Tomicus confusus* based on three specimens from "Southern California and Arizona"; no further information relating to the type localities is known. Swain (pp. 69-70) selected Le Conte's "California" specimen, in the Agassiz Museum, Harvard University, as the type for *Ips confusus* (Le Conte); he selected the "Arizona specimen" as the holotype of *Ips lecontei*, new species. Inasmuch as the genus represents forest beetles, it is not likely that the California specimen came from a locality pertaining to the lower Colorado River region as defined in this bibliography (thus neither Le Conte nor Swain are cited in Part 11, Section 1). However, the genus is widely distributed, including the Grand Canyon region and higher elevations of Arizona, and although it is less likely that Le Conte's specimen is from the immediate Grand Canyon region, both Le Conte's and Swain's papers are cited here conditionally.

T

Tarnita, Corina E.; Bonachela, Juan A.; Sheffer, Efrat; Guyton, Jennifer A.; Coverdale, Tyler C.; Long, Ryan A.; AND Pringle, Robert M.

2017 19.6513 A theoretical foundation for multi-scale regular vegetation patterns. *Nature* (London), 541 (January 19): 398-401 + Supplementary Information with online version of the paper, 32 pp.

► Data in paper include "Arizona", without specific localitiy. Supplementary Information, p. 16, includes notice of the research by Sparavigna (2016, ITEM NO. 19.6511), which included the identification of ant activity in satellite imagery of Toroweap Valley, Grand Canyon.

Temple, Bill

2000 19.5355 Orchid and sightseeing tour of the West Coast of USA. *The Hardy Orchid Society Newsletter* (Stour Provost, Dorset, United Kingdom), (18) (October): 5-7.

► See p. 6, brief remarks of having visited South Rim of Grand Canyon, and on North Rim "we saw *Goodyera oblongifolia* again and Weidemeyer's Admiral butterfly" (ENTIRE NOTE).

Terwilliger, Miranda

2023 19.6794 Wildlife projects on the North Rim. *Canyon Views* (Grand Canyon Conservancy), 30(2) (Spring/Summer): 6-9.

► Includes butterflies.

Thomas, Scott, AND Lindquist, Dave

1986 19.1671 Further investigations on *Pogonomyrmex* ants on Colorado River beaches in Grand Canyon. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 205-214.

Tilden, J. W.

1955 19.2216 A revision of *Tharsalea* Scud. (s. str.), with description of a new subspecies (Lepid., Lyc.). *Southern California Academy of Sciences, Bulletin*, 54(Part 2): 67-77.

► Includes *Tharsalea arota schellbachi*, new subspecies, type locality "North Rim, Grand Canyon National Park" (pp. 72-76, Plate 24, figure 4 [p. 73]); other localities. The indication of the primary types collected on "Bright Angel Trail" pertains to the Old Bright Angel Trail in Bright Angel Canyon; further corroborated by the fact that all secondary types are from North Rim localities and thus the designation of the type locality. [s. str. = *sensu stricto* (identification in a narrow sense)]

1957 19.2921 Taxonomic history and distribution of *Ochlodes yuma* (Hesperiidae). *Lepidopterists' News*, 11(4/5): 151-152.

► Distributional data include: "COCONINO CO.: Indian Gardens, Grand Canyon National Park, 23-24.vii.24 (leg. E. L. BELL) in AMNH (RINDGE) and also 24.vii.34 and 18.vii.38 (both leg. E. L. BELL) in collections of the Naturalists' Workshop at Grand Canyon (SCHELLBACH)".

Timberlake, P. H. [Timberlake, Philip H.]

1928 19.5569 Bees of the genus *Perdita* Smith in the American Museum of Natural History (Hymenoptera). *American Museum Novitates*, (321), 13 pp.

► See *Perdita wheeleri*, new species; holotype male from "Indian Gardens in the Grand Cañon, Arizona (W. M. Wheeler)" (pp. 5-7).

1956 19.6612 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part II. *University of California, Publications in Entomology*, 11(5): 247-350.

► Includes *Perdita opacella*, new species, a single female, holotype, from Marble Canyon, near Lee's Ferry, Arizona (collected by G. D. Butler, June 5, 1953, on *Stanleya*.

1962 19.5570 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part V. *University of California, Publications in Entomology*, 28(1), 123 pp. [including 13 plates].

► See: *Perdita wheeleri* Timberlake (p. 32, figures 755, 756 [p. 112], 856 [p. 121]), from Grand Canyon [see Timberlake (1928, ITEM NO. 19.5569)]

Perdita inornata, new species (pp. 49-50, figures 787, 788 [p. 115], 872 [p. 122]), paratypes "4 females, 14 males, South Rim of the Grand Canyon, July 26, 1934 (H. E. and M. A. Evans); 1 male, Grand Canyon, July 28, 1949 (W. H. Lange)"

Perdita dasylirii Cockerell (pp. 55-57, figures 793, 794 [p. 116], 875 [p. 122], material examined includes "1 female, Grand Canyon, June 11, 1931 (F. E Lutz)"

Perdita polytropica polytropica, new species and new subspecies (pp. 57-59, figures 795, 796 [p. 116], 876 [p. 122]), type material from California, additional material examined includes "6 males, 52 miles below Lee's Ferry, Colorado River, Grand Canyon, on *Acacia*, June 6, 1953, and 18 females, 2 males, 179.2 miles below Lee's Ferry, on barrel cactus, June 11 (G. D. Butler)".

1968 19.6611 A revisional study of the bees of the genus *Perdita* F. Smith, with special reference to the fauna of the Pacific coast (Hymenoptera, Apoidea); Part VII (including index to Parts I to VII). *University of California, Publications in Entomology*, (49), 196 pp.

► See: *Perdita opacella* Timberlake (pp. 8-9), which notes, "This has been known from one female from the Grand Canyon, rizona, but a small series of both sexes has been collected at flowers of *Cleome* southwest of Moab, Utah." (p. 8)

P. depressa, new species (pp. 48-50, plate figures 1217, 1218 [p. 167], 1312 [p. 175]), paratypes include "1 female, Supai, 3,500 feet, Havasu Canyon, Grand Canyon National Park, Coconino Co., Arizona, Aug. 2, 1934 (F. C. Lutz)." (p. 50)

P. subfasciata Cockerell (p. 107), new records include "Mohave Co.: many of both sexes, 7 miles west of Peach Springs, on *Gutierrezia lucida*, Sept. 28, 1964 (Timberlake and Papp)."

Tinkham, Ernest R.

1944 19.2127 Biological, taxonomic and faunistic studies in the shield-back katydids of the North American deserts. *American Midland Naturalist*, 31(2) (March): 257-328.

Torre Bueno, J. R. de la [Torre Bueno, José Rollin de la]

1905 19.3598 The genus *Notonecta* in North America north of Mexico. *New York Entomological Society, Journal*, 13(3) (September): 143-167, Plate 7.

► See *Notonecta mexicana* Amyot and Serville, pp. 158-159; specifically, p. 159: "In the U. S. National Museum and Heidemann collections the specimens from Colorado Cañon, Hot Springs and Catalina Mts., Arizona, are var. *hades*, and above the average size and with more prominent eyes." (ENTIRE NOTE)

1937 19.6117 Arizona insect localities. *Brooklyn Entomological Society, Bulletin*, 32(5) (December): 187-194.

► Regarding unsatisfactory data on collection labels. Includes "Bright Angel Creek" (p. 189), "Kaibab National Forest" (p. 191).

Townsend, C. H. Tyler [Townsend, Charles Henry Tyler]

1892 19.3219 [Southwest trip report.] *In:* Notes and News [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 3(9) (November): 234.

► Includes Hance Trail, Grand Canyon.

1893 19.3095 A peculiar seed-like case-worm from the Grand Canyon. *American Naturalist*, 27 (February): 166-169.

► See also an addendum, 27: 402 (ITEM NO. 19.3094).

1893 19.1686 On a species of *Simulium* from the Grand Canon of the Colorado. *American Entomological Society, Transactions*, 20 (April): 45-48.

1893 19.3094 Further note on the tineid case-worm from the Grand Canyon. *American Naturalist*, 27 (April): 402.

► Addendum to Townsend (1893, ITEM NO. 19.3095).

1893 19.3344 *Schizura Ipomeæ* Doubl. *In:* Notes and News [SECTION]. *Entomological News* (Academy of Natural Sciences of Philadelphia, Entomological Section), 4(5) (May): 158.

► Larva of *Schizura ipomeae* found on round-leafed leguminous tree, *Cercis occidentallis* Torr., on Hance Trail in Grand Canyon.

1893 19.3217 A woolly leaf-gall on oak near Grand Canon. *American Naturalist*, 27 (October) (322): 905.

1893 19.3252 On the injurious and other locusts of New Mexico and Arizona. *Insect Life* (U.S. Department of Agriculture, Division of Entomology, Periodical Bulletin), 6(1) (November): 29-32.

1893 19.3661 Lycænid larva on Atriplex. *American Naturalist*, 27 (December): 1104-1105.

► Specimens "from *Atriplex canescens*, 12 miles north of Cedar Ranch, Arizona, on the stage road from Flagstaff to the Grand Cañon."

1893 19.3381 On the horse flies of New Mexico and Arizona. *Kansas Academy of Science, Transactions*, 13: 133-135.

► Includes notice of specimens collected on Hance Trail.

1893 19.1687 On a peculiar acalyptrate muscid found near Turkey Tanks, Arizona. *Kansas Academy of Science, Transactions*, 13 (October): 135-136.

1893 19.1688 Note on a scutellerid on native tobacco in Arizona. *Psyche*, 6 (November): 547-548.

► *Corimelaena extensa* on *Nicotiana* at Cedar Ranch, between Flagstaff and the Grand Canyon.

1894 19.1689 Notes on some South-Western Hemiptera. *Canadian Entomologist*, 26(11) (November): 312-316.

1895 19.1690 On the Coleoptera of New Mexico and Arizona, including biologic and other notes. *Canadian Entomologist*, 27: 39-51.

► Cites numerous taxa from Grand Canyon.

1895 19.3190 On the cabbage-shaped gall of *Cecidomyia salicisbrassicoides*, and its occupants. *Canadian Entomologist*, 27(8) (August): 205-207.

1896 19.1691 Notes on New Mexico and Arizona Hymenoptera. *Canadian Entomologist*, 28(4): 110-112(5) (March): 138-142.

► Includes *Gorytes dentatus* Fox, new species (p. 139), and various previously recognized taxa, all from Hance Trail, Grand Canyon.

1915 19.3569 New western and southwestern Muscoidea. *New York Entomological Society, Journal*, 23(4) (December): 216-234. [Item signed, unsually, "Charles H. T. Townsend".]

► See p. 234, *Microsciasma minuta*, new genus and new species, from Hance Trail, 1892.

Triplehorn, Charles A.

1975 19.1697 A subgenus of *Eleodes* with three new cave-inhabiting species (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 29(1): 39-43.

► New species from Grand Canyon.

2002 19.4323 The role of serendipity in systematics. *American Entomologist*, 48(3) (Fall): 144-148.

► Founders Memorial Lecture. See p. 147, remarks and photo pertaining to working at the Grand Canyon and review of the genus *Asidina* (see Triplehorn and Brown, 1971, ITEM NO. 19.4324).

Triplehorn, Charles A., AND Brown, Kirby W.

1971 19.4324 A synopsis of the species of *Asidina* in the United States with description of a new species from Arizona (Coleoptera: Tenebrionidae). *The Coleopterists Bulletin*, 25(3): 73-86.

► Includes: *Asidina rugicollis*, new species, type material from South Rim of Grand Canyon [specific localities not published]
A. parallela (LeConte, 1851), specimens noted from Grand Canyon
A. wickhami (Horn, 1894), specmens noted from Hualapai Mountains, Peach Springs, and Valentine, Arizona.

Troubridge, J. T., AND Crabo, L. G.

2002 19.5208 A review of the Nearctic species of *Hadena* Schrank, 1802 (Lepidoptera: Noctuidae) with descriptions of six new species. *Fabreries* (Association des Entomologistes Amateurs du Québec), 27(2) (December): 109-154 ("Section en français", pp. 135-145). [Principally in English, with an abbreviated section in French.]

► See *Hadena* (*Hadena*) *lafontainei*, new species (pp. 114-117, figures 3 [p. 146], 17 [p. 148], 33 [p. 153]); paratype material includes "2 ♀♀, Kaibab Plateau, nr. Jacob Lk., 8,300 ft [2,550 m], 18.VII.1980, D.C. Ferguson" (ENTIRE NOTE) (square brackets are part of quotation). Near Jacob Lake.

Tuthill, L. D.

1939 19.4317 New species of Psyllidae from the western United States. *Iowa State College, Journal of Science*, 13(2) (January): 181-186.

► Insects. See pp. 185-186, *Trioza rubra*, new species; paratype material includes male specimen from "Grand Canyon".

U

Uhey, Derek A.; Hofstetter, Richard W.; Remke, Michael; Vissa, Sneha; AND Haubensak, Karen A.

2020 19.6509 Climate and vegetation structure shape ant communities along elevational gradients on the Colorado Plateau. *Ecology and Evolution*, 10: 8313-8322 + Supporting Information online, https://doi.org/10.1002/ece3.6538, 14 pp.

► Twelve study sites north and west of Flagstaff, Arizona, include three localities on the Kaibab National Forest north of Grand Canyon National Park.

U.S. Department of Justice, U.S. Attorney, San Jose, California

1995 19.6424 Butterfly smuggling case. Press release from: U.S. Department of Jutice, U.S. Attorney, San Jose, California, December 14, 1994. *News of the Lepidopterists' Society*, 1995(1) (March): 22-23.

► Regarding the cases against Richard J. Skalski, Mark L. Grinnell, and Thomas W. Kral, for "conspiring to poach federally protected butterflies between 1983 and 1992 on federally protected lands . . . and conspiring to trade and traffick in protected wildlife . . . ." Includes Kaibab swallowtail butterflies from Grand Canyon National Park.

U.S. Forest Service

1979 19.1717 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, 182 pp.

1980 19.1718 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, 35 pp.

1980 19.1719 *Pandora moth management plan, Kaibab National Forest, Arizona.* Albuquerque: U.S. Forest Service, 60 pp.

U.S. Forest Service, AND U.S. National Park Service

1981 19.1720 *Western spruce budworm management, Kaibab National Forest, Grand Canyon National Park, Arizona.* Albuquerque, New Mexico: U.S. Forest Service, 127 pp.

U.S. Forest Service, Southwestern Region

1979 19.5729 *Draft : Environmental Statement : western spruce budworm management : Kaibab National Forest, Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, Southwestern Region, SEPARATELY PAGINATED SECTIONS [171 pp. total]. (03-07-79-1.)

1999 19.4635 *Forest insect and disease conditions in the Southwestern Region, 1998.* U.S. Forest Service, Southwestern Region, 20 pp. (R3-99-01.)

► Regarding Grand Canyon National Park and Kaibab National Forest, see "Mountain Pine Beetle", pp. 4-5, and "Western Spruce Budworm", pp. 7-8.

U.S. Forest Service, Southwestern Region, Forest Health

2015 19.5173 Forest insect and disease conditions in the Southwestern Region, 2014. *U.S. Forest Service, Southwestern Region, Forest Health PR-R3-16-13*, 43 pp.

► Includes Kaibab National Forest.

U.S. Forest Service, Southwestern Region, Forestry and Forest Health

2012 19.6302 Forest insect and disease conditions in the Southwestern Region, 2011. *U.S. Forest Service, Southwestern Region, Forestry and Forest Health, PR-R3-16-8*, 43 pp.

Usher, Howell D.; Leibfried, William C.; Blinn, Dean W.; AND Carothers, Steven W.

1986 19.6474 The aquatic insects of Roaring Springs, Bright Angel, Garden and Pipe Creeks, Grand Canyon National Park [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 21(1986 Proceedings Supplement) (April): 17.

Usinger, Robert L.

1931 19.2219 A new species of *Platylygus* (Miridae, Hemiptera). *Pan-Pacific Entomologist*, 7(3) (January): 129-130.

► *Platylygus vanduzeei*, new species. Holotype is "male, No. 2997, Mus. Calif. Acad. Sciences, collected by C. D. Duncan, June 17, 1921, at the Grand Canyon, Arizona"; allotype collected by Usinger, "female, No. 2998, Mus. Calif. Acad. Sciences, collected by the author in Grand Canyon National Park, Arizona, South Rim, June 29, 1930."

1944 19.3978 The Triatominae of North and Central America and the West Indies and their public health significance. *Public Health Bulletin*, (288), 83 pp.

► See p. 48, *Paratriatoma hirsuta* Barber, 1938, Proc. Ent. Soc. Wash, 40: 104-105. Records include "Phantom Ranch, Grand Canyon, Ariz., May 1929 (Vernon Bailey)". Unlocalized specimen figured in pl. 7, fig. c.

V

Van Duzee, E. P.

1935 19.1809 [Brief notice of E. C. Van Dyke's collecting trip to New Mexico via Grand Canyon.] *In:* Personals. *Pan-Pacific Entomologist*, 11(3): 134.

Van Duzee, M. C.

1927 19.5941 North American species of *Polymedon*. (Diptera Dolichopodidæ). *Entomological Society of America, Annals*, 20(1) (March): 123-126.

► Includes *Polymedon dilaticosta* and *P. nitidus*, new species with type material from Bright Angel Trail, Grand Canyon.

Vaurie, Patricia

1955 19.3980 A review of the North American genus *Amblycheila* (Coleoptera, Cicindelidae). *American Museum Novitates*, (1724), 26 pp.

► See *Amblycheila schwarzi* W. Horn (pp. 19-22); specimens examined include "Grand Canyon, Spetember [*sic*], 1929 (C. C. Searl), one male."; "Other specimens reported in the literature include one female from the type locality, Peach Springs, Mohave County, 5000 feet, Arizona".

W

Waltz, Amy E. M., AND Covington, W. Wallace

1999 19.3427 Butterfly richness and abundance increase in restored ponderosa pine ecosystem (Arizona). *Ecological Restoration*, 17(4): 244-246.

2001 19.3426 Butterfly response and successional change following ecosystem restoration. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 88-94.

► Study area between Mount Logan and Mount Trumbull, Arizona Strip.

Wang, Daqing

2001 19.6588 *Systematics of the subterranean amphipod genus* Stygobromus *(Crangonyctidae) in western North America, with emphasis on species of the* hubbsi *group.* Doctoral dissertation, Old Dominion University (Norfolk, Virginia), 220 pp.

► *NOTE*: New taxa described in this unpublished dissertation are not valid for the purposes of taxonomic nomenclature. Includes *Stygobromus blinni*, "new species" (pp. 20-24); see also distribution maps, pp. 198, 200. For formal publication of taxonomic acts, see Wang and Holsinger (2001, ITEM NO. 19.6589).

Wang, Daqing, AND Holsinger, John R.

2001 19.6589 Systematics of the subterranean amphipod genus *Stygobromus* (Crangonyctidae) in western North America, with emphasis on species of the *hubbsi* group. *Amphipacifica* (Journal of Aquatic Systematic Biology), 3(2) (November 15): 39-147.

► Includes *Stygobromus blinni*, new species (pp. 74-76, figure 21); female holotype and two female paratypes from "Roaring Springs Cave, on the north rim of the Grand Canyon near Bright Angel Trail and Bright Angel Creek" [*sic*] (p. 74), "about 1.6 km inside the cave" (p. 76); collected by Dean Blinn, 28 September 1994.

Ward, J. V.; Zimmermann, H. J.; AND Cline, L. D.

1986 19.1819 Lotic zoobenthos of the Colorado system. *In:* Davies, Bryan R., and Walker, Keith F. (eds.), *The ecology of river systems.* Dordrecht, Boston, and Lancaster: Dr W. Junk Publishers, pp. 403-423. (*Monographiae Biologicae* [H. J. Dumont, series ed.], Volume 60.)

Ward, Stephen L., AND Lachat, Robert

1988 19.1820 Continued studies on the red harvester ant density and foraging activities on human impacted, Colorado River beaches in Grand Canyon National Park, 1987. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 44-59.

Waring, Gwendolyn L., AND Price, P. W.

1990 19.1825 Plant water stress and gall formation (Cecidomyiidae: *Asphondylia* spp.) on creosote bush. *Ecological Entomology*, 15(1): 87-95.

Washburn, Richard I., AND McGregor, Mark D.

1974 19.4498 White fir needle miner. *U.S. Forest Service, Forest Pest Leaflet 144*, 5 pp.

► Notes Grand Canyon North Rim.

Welbourn, W. Cal

1978 19.1840 Preliminary report on the cave fauna. *In: Cave resources of Horseshoe Mesa, Grand Canyon National Park.* Yellow Springs, Ohio: Cave Research Foundation, pp. 36-42.

► Publication in restricted distribution due to archaeological content.

Welch, Craig

2010 19.3177 The butterfly sting; how a federal wildlife agent brought down one of the world's most notorious insect thieves. *High Country News*, 42(6) (April 12): 14-20.

► *Papilio indra kaibabensis* and Grand Canyon, pp. 16, 18, 20. Regarding Hisayoshi Kojima.

Weld, Lewis H.

1921 19.4539 American gallflies of the family Cynipidae producing subterranean galls on oak. *U.S. National Museum, Proceedings*, 59(2368): 187-246, Plates 28-37.

► See: *Disholcaspis lacuna*, new species (pp. 195-196, Plate 28, figure 2); non-type material noted from "Grand Canyon".

See also unidentified collection "Weld No. 706" (pp. 190, 242), "old galls" collected from localities including "Grand Canyon".

Wellard Kelly, Holly Ann

2010 19.4977 *Resource composition and macroinvertebrate resource consumption in the Colorado River below Glen Canyon Dam.* Master's thesis, Loyola University, 169 pp.

Wellard Kelly, Holly A.; Rosi-Marshall, Emma J.; Kennedy, Theodore A.; Hall, Robert O., Jr.; Cross, Wyatt F.; AND Baxter, Colden V.

2013 19.4675 Macroinvertebrate diets reflect tributary inputs and turbidity-driven changes in food availability in the Colorado River downstream of Glen Canyon Dam. *Freshwater Science*, 32(2): 397-410.

Wells, R. Spencer

1996 19.4373 Nucelotide variation at the *Gpdh* locus in the genus *Drosophila*. *Genetics*, 143: 375-384.

► Fly stock material includes *D. pseudoobscura* obtained from genomic DNA "collected at Kaibab National Forest, Arizona." *Gpdh* locus, "encoding glycerol-3-phosphate dehydrogenase, E.C. 1.1.1.8".

Wheeler, William Morton

1899 19.3763 New species of Dolichopodidæ from the United States. *California Academy of Sciences, Proceedings*, Series 3, Zoology, 2(1), 85 pp. [including 4 plates]. [See *Polymedon castus*, new species, pp. 6-8, Plate 1, figure 8.

► New species based on a single female specimen "labeled 'Grand Cañon, Arizona,' from the collections of the University of Kansas." Collector not indicated.

1905 19.3221 The North American ants of the genus *Liometopum*. *American Museum of Natural History, Bulletin*, 21: 321-333.

► See pp. 325, 332.

1906 19.1853 The ants of the Grand Cañon. *American Museum of Natural History, Bulletin*, 22: 329-345.

1908 19.4536 Honey ants, with a revision of the American Myrmecocysti. *American Museum of Natural History, Bulletin*, 24: 345-397.

► See pp. 351-352, *Myrmecocystus melliger mendax*, new subspecies; non-type material noted from "Grand Cañon (Wheeler)".

1908 19.1854 The ants of Texas, New Mexico and Arizona. (Part I.) *American Museum of Natural History, Bulletin*, 24: 399-485.

1913 19.4963 A revision of the ants of the genus *Formica* (Linné) Mayr. *Museum of Comparative Zoology, Bulletin*, 53(10): 379-565.

► Grand Canyon, see:

Formica fusca fusca var. *argentea* Wheeler (pp. 501-503; examined material from "Coconino Forest, Grand Canyon, 7,000 ft.", p. 502)

F. fusca fusca var. *gelida* Wheeler, new variety (pp. 505-507; non-type material from "Coconino Forest, Grand Canyon, 7,000 ft. (Wheeler)", p. 506)

F. rufibarbis var. *gnava* Buckley (pp. 518-521; examined material from "Indian Garden, Grand Canyon", p. 519)

F. (Proformica) neogagates neogagates Emery (pp. 536-538; examined material from "Coconino Forest at the Grand Canyon", p. 538)

F. (Neoformica Wheeler, new subgenus*) moki* Wheeler, 1906 (pp. 558-560; type material for species noted from "Bright Angel Trail, Grand Canyon, 5,500-7,000 ft." (p. 560).

1914 19.5591 New and little known harvesting ants of the genus *Pogonomyrmex*. *Psyche*, (October): 149-157.

► See *Pogonomyrmex californicus* Buckley subsp. *maricopa*, new subspecies (pp. 155-156). Paratype material includes "Grand Canyon (Wheeler)".

1915 19.3630 Some additions to the North American ant-fauna. *American Museum of Natural History, Bulletin*, 34: 389-421.

► See: *Aphaenogaster texana* Emery, pp. 412-413. "A very similar form, but slightly darker in the worker phase and tending towards the variety [*A. t. furvescens*, new variety, p. 413 and following], was collected in the Indian Garden on the Bright Angel Trail in the Grand Cañon, Arizona." (ENTIRE NOTE) *A. t.* var. *furvescens* is described from Huachuca Mountains and Ramsay Canyon, Arizona [extralimital to this bibliography].

Also see *Camponotus acutirostris* Wheeler *clarigaster*, new variety, p. 420; "A single specimen taken at an altitude of about 3000 ft. on the Bright Angel Trail in the Grand Cañon, Arizona."

1917 19.2791 The mountain ants of western North America. *American Academy of Arts and Sciences, Proceedings*, 52(8) (January): 457-569.

► See pp. 501, 504, 521, 523, 526, 558-561.

White, M. J. D.

1949 19.4362 A cytological survey of wild populations of *Trimerotropis* and *Circotettix*. (Orthoptera, Acrididae). I. The chromosomes of twelve species. *Genetics*, 34 (September): 537-563.

► Includes *Trimerotropis* sp. from Kingman, Arizona. Also reference to individuals of *T. cyaneipennis* from Grand Canyon as studied by King (1924 [ITEM NO. 19.4361]).

Whiting, Daniel P.; Paukert, Craig P.; Healy, Brian D.; AND Spurgeon, Jonathan J.

2014 19.4692 Macroinvertebrate prey availability and food web dynamics of nonnative trout in a Colorado River tributary, Grand Canyon. *Freshwater Science*, 33(3): 872-884.

► Bright Angel Creek.

Wickham, Henry Frederick

1893 19.3176 Some interesting colour-varieties in the genus *Crossidius*. *Canadian Entomologist*, 25(8) (August): 189-194, plate.

1899 19.3226 The habits of American Cicindelidae. *Davenport Academy of Natural Sciences, Proceedings*, 7: 206-228.

► Includes *Cicindela rufiventris* var. *arizonae*, new variety (pp. 226-227), based on specimens from "Grand Canyon" and from specimens collected in 1892 by "Professor [C. H. Tyler] Townsend" [on Hance Trail] between "Hance's stone cabin, 2500 feet below the rim . . . quite to the bottom of the cañon".

Wilcox, J.

1965 19.6039 New *Heteropogon* Loew, with a key to the species and the description of a new genus (Diptera: Asilidae). *Southern California Academy of Sciences, Bulletin*, 64(4): 207-222.

► See *Heteropogon stonei*, new species (pp. 220-222); specimens include one paratype female from "Grand Canyon, Arizona".

Wilford, B. H.

1951 19.6425 *Forest insect conditions in the central and southern Rocky Mountains and the Great Plains, 1950.* Fort Collins, Colorado: Forest Insect Laboratory (U.S. Department of Agriculture, Agricultural Research Administration, Bureau of Entomology and Plant Quarantine, Division of Forest Insect Investigations), 8, 6, 2 pp.

► "Not for publication; for administration use only"; but now accessible online at https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fseprd522040.pdf. Includes Grand Canyon National Park.

Williams, Emmett L.; Howe, George F.; AND White, Richard R.

1991 19.1867 A desert millipede: evolution or design?—An introduction. *Creation Research Society Quarterly*, 28(1): cover, 7-16.

► Creationist perspective.

Williams, Kelly K.; McMillin, Joel D.; DeGomez, Tom E.; Clancy, Karen M.; AND Miller, Andy

2008 19.2865 Influence of elevation on bark beetle (Coleoptera: Curculionidae, Scolytinae) community structure and flight periodicity in ponderosa pine forests of Arizona. *Environmental Entomology*, 37(1): 94-109.

Williams, Ted

1996 19.4423 The butterfly wars. *Audubon*, (March/April):.

Wilson, Edmund B.

1909 19.3104 The "accessory" chromosome in *Syromastes* and *Pyrrochoris* with a comparative review of the types of sexual differences of the chromosome groups. *Journal of Experimental Zoology*, 6(1) (January): 69-205, Plate 1.

► Insects. Data include specimens from Grand Canyon, p. 203; Plate 1, figure 28 (legend, p. 205).

1909 19.4930 Studies on chromosomes. V. The chromosomes of *Metapodius*. A contribution to the hypothesis of the genetic continuity of chromosomes. *Journal of Experimental Zoology*, 6(2) (February): 147-205, Plate 1.

► Insects. *Metapodius granulosus* specimens from Grand Canyon; see pp. 156, Figure 2i (p. 157), 203; Plate 1, figure 21 (legend p. 205.

Wilson, Jill L., AND Tkacz, Borys M.

1996 19.3182 Historical perspectives on forest insects and pathogens in the Southwest: Implications for restoration of ponderosa pine and mixed conifer forests. *In:* Covington, Wallace, and Wagner, Pamela K. (technical coordinators), Conference on adaptive ecosystem restoration and management: restoration of cordilleran conifer landscapes of North America, June 6-8, 1996, Flagstaff, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-278*, pp. 26-31. [*NOTE*: Cover title gives conference dates as June 6-8, 1995.

► See p. 27, note of Kaibab National Forest (Kaibab Plateau) and Grand Canyon National Park.

Wind, Robert G.

1930 19.1875 Butterflies of the Grand Canyon. *Grand Canyon Nature Notes*, 4(12) (October 31): 81-84.

► Includes "A Preliminary Check List of the Dinural [*sic*] Lepidoptera of the Grand Canyon, With Data", pp. 82-84.

Wolff, Theodore A., AND Nielsen, Lewis T.

1976 19.5020 The distribution of snowpool *Aedes* mosquitoes in the southwestern states of Arizona and New Mexico with notes on biology and past dispersal patterns. *Mosquito Systematics*, 8(4): 413-439.

► Includes Kaibab Plateau.

Wolff, Theodore A.; Nielsen, Lewis T.; AND Linam, Jay H.

1974 19.2908 Additional records of culicine and chaoborine mosquitoes from the mountains of Arizona and New Mexico. *In: California Mosquito Control Association, 42nd Annual Conference, and American Mosquito Control Association, 30th Annual Meeting, February 24-27, 1974*, pp. 41-42.

Wood, Sherwin F.

1950 19.3977 Dispersal flight of *Triatoma* in southern Arizona. *Journal of Parasitology*, 36(5) (October): 498-499.

► Includes note, p. 499: "An occurrence of large numbers of *Triatoma rubida uhleri* in dispersal flight was noted by Usinger (1944, Public Health Bull., No. 288) in June of 1930 at Peach Springs, Arizona, when many bugs were collected in the daytime, presumably after a widespread night flight." (ENTIRE NOTE)

Wood, Stephen L.

1982 19.6016 The bark and ambrosia beetles of North and Central America (Coleoptera: Scolytidae), a taxonomic monograph. *Great Basin Naturalist Memoirs*, (6), 1359 pp.

► Grand Canyon regional localities cited throughout.

Woods, John O.; Carr, Timothy G.; Price, Peter W.; Stevens, Lawrence E.; AND Cobb, Neil S.

1996 19.1898 Growth of coyote willow and the attack and survival of a mid-rib galling sawfly, *Euura* sp. *Oecologia*, 108: 714-722.

► Stevens' given name misspelled "Laurence".

Wynne, J. Judson

2010 19.5723 *Arthropod sampling at PARA-2204 Cave, Grand Wash Wilderness Area, Grand Canyon-Parashant National Monument, Arizona (preliminary results).* Flagstaff, Arizona: Northern Arizona University, Colorado Plateau Research Station, *for* U.S. National Park Service, Grand Canyon-Parashant National Monument, St. George, Utah; and U.S. Geological Survey, Astrogeology Science Center, Flagstaff, Arizona, 10 pp.

► Includes plan of cave.

Wynne, J. Judson, AND Drost, Charles A.

2009 19.2952 Southwest caves reveal new forms of life. *U.S. Geological Survey, Fact Sheet 2009-3024*, 2 pp.

Wynne, J. Judson, AND Voyles, Kyle D.

2014 19.4412 Cave-dwelling arthropods and vertebrates of North Rim Grand Canyon, with notes on ecology and management. *Western North American Naturalist*, 74(1): 1-17.

► Grand Canyon-Parashant National Monument.

Wynne, J. Judson; Drost, Charles A.; Cobb, Neil S.; AND Rihs, John R.

2008 19.2692 Cave-dwelling invertebrates of Grand Canyon National Park. *In:* Riper, Charles van, III, and Sogge, Mark K. (eds.), *The Colorado Plateau III : integrating research and resources management for effective conservation.* Tucson: University of Arizona Press, pp. 235-246.

2015 19.4786 Cave-dwelling invertebrates of Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 131-132.

Wynne, J. Judson; Howarth, Francis G.; Sommer, Stefan; AND Dickson, Brett G.

2019 19.6180 Fifty years of cave arthropod sampling: techniques and best practices. *International Journal of Speleology* (Union Internationale de Spéléologie), 48(1) (January): 33-48.

► See p. 34, reference to work in Grand Canyon-Parashant National Monument, although without noting that locale by name.

Wynne, J. Judson; Sommer, Stefan; Howarth, Francis G.; Dickson, Brett G.; AND Voyles, Kyle D.

2018 19.6818 Capturing arthropod diversity in complex cave systems. *Diversity and Distributions*, 24: 1478-1491 + Supporting Information online through https://doi.org/10.1111/ddi.12772.

► Study areas include caves on the Grand Canyon-Parashant National Monument with cave codes PARA-0901, -1001, -2202, -2204, -2602, -3501, -3502, -3503, -3504, -3507.

Wynne, J. Judson; Voyles, Kyle; Drost, Charles A.; Solvesky, Benjamin G.; AND Herder, Michael J.

2005 19.2608 Cave ecology on the Arizona Strip [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 88.

Y

Yackulic, Charles B.

2019 19.6290 Using population models of interacting species to support decisions [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's*

Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, p. 119.

► Tamarisk beetle and southwestern willow flycatcher, Grand Canyon.

Yard, Michael D.; Coggins, Lewis G.; Ralston, Barbara E.; Kennedy, Theodore A.; AND Persons, William R.

2005 19.2576 Response of drifting invertebrates and organic matter to disturbance from high experimental flows prescribed for the Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 45.

Z

Zhang, Z. Y., AND Wagner, M. R.

1991 19.2292 Cocoon and adult parameters predict fecundity of the pine sawfly *Neodiprion fulviceps*. *Southwestern Entomologist*, 16(3): 193-198.

Zimmer, Dieter E.

2003 19.4354 *A guide to Nabokov's butterflies and moths : 2001.* Hamburg: [D. E. Zimmer?], 389 pp.

► See entry for *Cyllopsis pertepida dorothea* Nabokov, 1942, from Grand Canyon.

Zouros, E.; Lofdahl, K.; AND Martin, P. A.

1988 19.2136 Male hybrid sterility in *Drosophila*: Interactions between autosomes and sex chromosomes in crosses of *D. mojavensis* and *D. arizonensis*. *Evolution*, 42(6) (November): 1321-1331.

4

TERRESTRIAL VERTEBRATES *of the* GRAND CANYON REGION

BIBLIOGRAPHY OF TERRESTRIAL VERTEBRATES OF THE GRAND CANYON REGION

ANONYMOUS

PUBLICATION NOT DATED: DATE NOT DETERMINED NOR ESTIMATED

NO DATE 19.1 *Life zones and ecosystems.* Grand Canyon Natural History Association, pamphlet.

NO DATE 19.2 *Arizona wildlife : mammals.* Arizona Game and Fish Department, Form 4012, [32] pp.

NO DATE 19.3487 Special deer conference. *In:* The Pennsylvania Deer Problem. *Pennsylvania Board of Game Commissioners, Bulletin 12* [re-release], [Part 2], pp. 48-50.

► Re-release of *Bulletin 12* with pagination continued in added Part 2. See p. 49, notes on Kaibab Plateau.

PUBLICATION NOT DATED: DATE ESTIMATED, ATTRIBUTED, OR KNOWN FROM ORIGINAL RECEIPT

NO DATE 19.4566 *History of wildlife management in the Intermountain Region.* Ogden, Utah: U.S. Forest Service, Intermountain Region, 44 pp. [1990.]

► Kaibab Plateau, see pp. 13-18, which principally is an excerpt from John P. Russo's "The Kaibab North Deer Herd" (Russo, 1964, ITEM NO. 19.1418).

DATED PUBLICATIONS, GROUPED BY YEAR

1893 19.4 Arizona game preserves. *Arizona's Resources*, 1 (February): 18.

Anonymous *(continued)*

1901 19.3529 Kanab [NEWS]. Mustang hunting. Ranchmen engaged in rounding-up the wild horses of the plains. *Deseret News*, (October 16): 7 [issue pagination]. (From New York *Evening Sun*.)

► Brief item of ranchmen of northwestern Arizona, southwestern Utah, and Nevada gathering at Pipe Spring for a wild-mustang hunt in the region.

1902 19.3197 The horned toads. *Birds and Nature*, 12(4) (November): 178-180.

► See p. 179. Written in the first-person but without by-line.

1905 19.4093 [Game preserve.] *Shooting and Fishing*, 38(23) (September 14): 445.

► "It is understood that the Utah and Arizona representatives in Congress have agreed to join in placing before the next session a bill making a game preserve on the region lying between the southern Utah line and the Grand Canon of Arizona, an area of about 2000 square miles. It is intended that the Government shall stock the ground with buffalo and rare animals and shall fence it in. Only a few years ago the district proposed to be stocked was full of deer and antelope, which have been almost entirely destroyed by Ute Indians from Colorado, who slaughtered the game wontonly and unnecessarily." (ENTIRE ITEM)

1905 19.3530 Kanab [NEWS]. To perpetuate the buffalo. Buffalo Jones on way to Grand Canyon with herd. *Deseret News*, (October 26): 9 [issue pagination].

1906 19.3531 Fredonia, Arizona [NEWS]. *Deseret News*, (January 19): 9 [issue pagination].

► "Col. Jones has his buffalo and cattalo 40 miles southeast from here. The country is turning into a primitive west. While the last drove of animals were being driven from Lund, one large buffalo bull was lost on the prairie near Rockville. No particular danger from stampede is anticipated, but it make take a Buffalo Bill to 'round' him in. Tourists will soon be able to find a veritable 'Wild West Show' in the Buckskin mountains [Kaibab Plateau]." (ENTIRE NOTE) (Buffalo Jones.) (See also Anonymous, 1906, ITEM NO. 19.3532.)

1906 19.3532 Fredonia, Arizona [NEWS]. Only 20,000 sheep will enter reserve—Buffalo bull again at large [and other news]. *Deseret News*, (February 28): 11 [issue pagination].

► "Supervisor Pratt of the Northern Division of the Grand canyon reserve is in possession of information that corrects a statement made in the 'News' some time ago to the effect that 30,000 sheep would be allowed to graze on the reserve. Twenty thousand is the maximum that will be allowed and these are limited to what is designated as district No. 3, a portion of the country that is suitable principally for winter range. [¶] The buffalo bull lost on the desert near hear has been found and coaxed into a corral. But the animal seems to ignore such contrivances, so he simply smashed the posts and gained his freedom. He may get tender hearted when spring opens and let the boys round him in again." (ENTIRE NOTES)

1906 19.3533 Fredonia, Arizona [NEWS]. *Deseret News*, (July 10): 9 [issue pagination].

► "The Buffalo and Catalo and Persian sheep are located on Bright Angel point where they are within reach of the telescopes of tourists sitting at the big hotel on the side where the railroad comes to the brink." (ENTIRE NOTE)

1906 19.3534 Toquerville [NEWS]. *Deseret News*, (September 4): 3 [issue pagination].

► "A herd of buffalo and cattalo (the latter is a hybrid of the buffalo and the galloway cow), has been brought to Camp Woolley. The company owning them is capitalized at

Anonymous *(continued)*

$100,000. Buffalo Jones, former game warden at the Yellowstone National park, is an active member. Beside the buffalo, Persion sheep have been secured by the company. Deer in herds are to be seen in the pines and quaking asps. A movement is on foot to make the Buckskin mountains [Kaibab Plateau] of this section a national game preserve." (ENTIRE NOTE)

1907 19.3535 Mountain lion captured. *Deseret News*, (July 19): 2 [issue pagination].

► "Buffalo Jones passed through Provo today with a mountain lion captured at Angel Creek in southern Utah [*sic*], about 15 miles from the point where the cable is being stretched across the Colorado. Two lions and cub were lassoed by the party, but the one Mr. Jones has and the cub are all that were finally secured. The other lion came so near getting away, while the capturing party were trying to secure him with chains, that it was found necessary to kill him or lose him, and he was killed. Mr. Jones will take the lions with him to use in the east as illustrations in a lecture on the Wild West." (ENTIRE ITEM) See also note in July 26 issue (Anonymous, 1907, ITEM NO. 19.3536).

1907 19.3536 "Buffalo" Jones here. Man who knows all about animals comes to town on visit. *Deseret News*, (July 26): 10 [issue pagination].

► Buffalo Jones brings with him two mountain lions caught (refer to Anonymous, 1907, ITEM NO. 19.3535).

1908 19.3537 Kanab [NEWS]. *Deseret News*, (March 3): 3 [issue pagination].

► "A great many of the cattlemen of Kane county are contemplating going on to the forest reserve on the Buckskin mountain [Kaibab Plateau], and some of them have already put in their applications on the strength of the prospects of the government's building a fence across the north end of the reserve, so that the cattle can be kept on the mountains." (ENTIRE NOTE)

1909 19.3477 A great year for game preserves. *Zoological Society Bulletin* (New York Zoological Society), (34) (June): 497-503.

► See "The Grand Canon National Game Preserve", pp. 502-503.

1914 19.3762 Deer in Grand Canyon game refuge. *The Hawaiian Forester and Agriculturist*, 12(2) (February): 54.

► "It is estimated that the government's Grand Canyon game refuge, in Arizona, now contains about ten thousand deer." (ENTIRE ITEM) Filler, without separate title, although the volume index, p. vii, gives the item title as cited here.

1914 19.4628 Inter-mountain sheep notes. *The American Sheep-Breeder and Wool-Grower* (Chicago), 34(3) (March): 182, 184.

► See "Utah", p. 184, which includes a paragraph regarding Kaibab Plateau deer and sheep.

1915 19.3194 [Brief notice of killed mountain lion from Grand Canyon Game Preserve that "measured ten feet from nose to tail."] *In:* Forest Notes [SECTION]. *American Forestry*, 21(1) (January): 75.

Anonymous *(continued)*

1915 19.3483 [Huge mountain lion.] *In:* The Tree Top [SECTION]. *Recreation*, New Series, 52(3) (March): 168.

► "Speaking of beasts of prey—an outdoor magazine, in the first paragraph of the leading article of a recent number, tells about a mountain lion which 'measured ten feet from nose to tail.' Think of it! An ordinary whopping big cougar might measure that much tail and all, and they have long tails. That old Grand Cañon tomcougar must have stood six feet high and had a yowl like a foghorn." (ENTIRE ITEM)

1915 19.4121 [Huge mountain lion.] *The American Thresherman and Farm Power* (Madison, Wisconsin), 17(12) (April): 24.

► "A mountain lion recently killed in the Grand Canyon game preserve, which adjoins the Tusayan national forest, measured ten feet from nose to tail. Mountain lions and other beasts of prey, such as wolves, coyotes, and wild cats, are killed by forest officers and game wardens because they are a menace to stock and to game animals." (ENTIRE ITEM)

1915 19.6452 [Filler.] *The Christian Register* (Boston), 94(21) (May 27): 503.

► "It is estimated that the government's Grand Canyon game refuge in Arizona now contains about ten thousand deer." (ENTIRE ITEM)

1915 19.4090 [Sheep in Grand Canyon Game Preserve.] *American Sheep-Breeder and Wool-Grower* (Chicago), 35(11) (November): 512.

► "Dr. Hornaday, the big New York Zoo man, will present on behalf of his institution a flock of Himalayan Mountain sheep to the State of Arizona, the sheep to be confined in a preserve in the Grand Canyon." William Temple Hornaday.

1915 19.5869 A senseless dipping order. *National Wool Grower* (Salt Lake City), 5(12) (December): 48-49.

► Arizona State Board of Sheep Commissioners requirement to dip sheep with specific dips; should not apply to isolated Arizona Strip since Utah State Board of Sheep Commissioners require dipping in any dip that kills ticks.

1916 19.6127 [Feral burros in Grand Canyon.] *In:* Forest Notes [SECTION]. *Building and Engineering News* (San Francisco), 16(19) (May 10): 13.

1916 19.6594 [Feral burros in Grand Canyon.] *In:* Forest Notes [SECTION]. *Hardwood Record* (The Hardwood Company, Chicago), 41(3) (May 25): 21.

1916 19.4674 [Feral burros in Grand Canyon.] *The American Thresherman and Farm Power* (Madison, Wisconsin), 19(3) (July): 70.

► Filler. "That wild burros in the Grand Canyon of the Colorado are increasing rapidly is the report from a ranger on the Tusayan National Forest, who says the little animals in their search for forage are finding their way to the top in such numbers as to constitute a nuisance. Already there are thousands of the animals in the Grand Canyon from Supai to the mouth of the Little Colorado, according to the forest ranger." (ENTIRE ITEM)

1917 19.3802 Crossing the buffalo with beef cattle. *Popular Mechanics Magazine*, 28(6) (December): 884.

► Notes the largest herd of catalo "is located on the isolated, uninhabited 'Arizona strip,' north of the Grand Cañon." House Rock Valley.]

Anonymous *(continued)*

1918 19.3697 [Note on a legal case pertaining to wild horses in New Mexico and southern Colorado.] *In:* Along the Trail [SECTION]. *Santa Fe Magazine*, 12(9) (August): 70.

► Includes note, "A tale, vouched for at El Tovar Hotel, is that there are 1,000 burros more or less running wild in the Grand Cañon of Arizona—descendants of their kind left there by Coronado's band in 1542." (ENTIRE NOTE)

1921 19.3228 Deer in Grand Cañon saved from extinction. *Popular Mechanics Magazine*, 35(1) (January): 83.

1921 19.3489 [Brief notice by Jesse Nusbaum of deer and geese on Kaibab Plateau.] *In:* Along the Trail [SECTION]. *Santa Fe Magazine*, 15(4) (March): 66.

1922 19.4817 Side lights of the California meeting of the National Dental Association. *In:* Orthodontic News and Notes [SECTION]. *International Journal of Orthodontia, Oral Surgery and Radiography*, 8(8) (August): 534-.

► See p. 535: "To the tired orthodontist who has made the long jaunt to California in search of both youth and knowledge there are only two things which remain a mystery in his mind. First those little animals, which they tell you about which make their residence in the bottom of the Grand Canyon and when you are bitten by them will not release their hold until it thunders . . . ." (ENTIRE NOTE) *NOTE*: Traditional folklore from numerous places suggest that certain animals will not release a bite-hold until it thunders (and/or other external influences); included among them are various lizards including the Gila monster.

1924 19.3494 Estimate made of big game animals on national forests. *California Fish and Game*, 10(1) (January): 36-38.

► Kaibab Plateau game conditions noted, pp. 37, 37-38.

1924 19.3488 [Kaibab Plateau mule deer give-away by U.S. Department of Agriculture.] *Wholesale Grocery Review*, 25(10) (October): 17.

1924 19.3495 Committee to help solve Kaibab deer herd problem. *California Fish and Game*, 10(4) (October): 196.

1924 19.6626 Deer given away. *In:* News Notes [SECTION]. *The Pathfinder* (Washington, D.C.), 31(1606) (October 11): 7.

► "Uncle Sam has thousands of deer to give away. They are in the Kaibab national forest in northern Arizona where their number—30,000—has become so large the vegetation is not sufficient. The receiver has to pay crating charges and transportation—about $35 a deer." (ENTIRE ITEM)

1924 19.6625 New kind of squirrel. *In:* Things Scientific [SECTION]. *The Pathfinder* (Washington, D.C.), 31(1610) (November 11): 11.

► Kaibab squirrel.

1924 19.7 A great forest threatened. *American Forests and Forest Life*, 30: 359.

1924 19.8 Starvation threatens Kaibab deer. *American Forests and Forest Life*, 30: 663, 692-693.

Anonymous *(continued)*

1925 19.9 The Kaibab deer drive. "An interesting failure". *American Forests and Forest Life*, 31: 80.

1926 19.10 Problem of over-conservation in the Grand Canyon National Game Preserve. *Bird-Lore*, 28 (January): 88-90.

1926 19.13 Button, button, who has the button? *Grand Canyon Nature Notes*, 1(6) (September 22): 2.

► Packrat activity, as reported by Assistant Chief Ranger Frank Winess from the Bright Angel Ranger Station at Wylie Way camp, North Rim.

1927 19.5371 Ranger Smith entertains. *Grand Canyon Nature Notes*, 1(11) (March 1) [April 16]: 4.

► Lee Smith visited by porcupine at home.

1927 19.3453 The Grand Canyon buffalo herd. *American Bison Society, Report, 1924-1926*, pp. 41-43.

► House Rock Valley bison.

1927 19.29 Prong-horn antelope colony in the Grand Canyon. *Science*, New Series (Supplement), (August 26): xiv.

1927 19.15 Arizona deer herd hit by starvation. *American Forests and Forest Life*, 33: 374.

1928 19.46 Two trail parties in one picture. *Grand Canyon Nature Notes*, 3(5) (October 31): 2.

► Deer appear in photograph of mounted trail party taken by Kolb Studio.

1928 19.43 Antlers as an age indicator of deer. *Grand Canyon Nature Notes*, 3(5) (October 31): 3.

1928 19.3485 [Note.] *In:* Division Notes [SECTION]. *The Ark* (Museum of Zoology, University of Michigan, Ann Arbor), 7(4) (December): 3.

► "*The Division of Mammals* has received from Dr. H. H. Hammel the skulls and skins of three Kaibab deer, collected by him in the Kaibab Forest of Arizona." (ENTIRE NOTE)

1929 19.3108 Lizard hypnotized! *Popular Science Monthly*, 114(2) (February): 75.

► Report from Edwin D. McKee that blue-bellied lizard caught more easily by focusing eyes on those of the lizard.

1929 19.51 Along the trails. *Grand Canyon Nature Notes*, 4(1) (September 30): 6-7.

► Brief notes on mountain sheep on North Rim along McKinnon Point Trail and near Cliff Springs, porcupines on South Rim, western crows at Yavapai Point, belted kingfisher at Bright Angel Point, "A Big Scaley Lizard (Sceloporus magister)" at Cedar Ridge on South Kaibab Trail, mule deer losing coats, hummingbirds at Hull Tank, and migrating birds on the Kaibab.

1930 19.3216 Deer fawns travel by plane to restock herd. *Popular Mechanics Magazine*, 53(1) (January): 81.

► Deer flown from Fredonia to Red Butte.

Anonymous *(continued)*

1930 19.5382 Left-overs. *Grand Canyon Nature Notes*, 4(7) (May 31): 47.

► Includes brief note of porcupine on Bright Angel Trail near top.

1930 19.52 Odds and ends. *Grand Canyon Nature Notes*, 4(8) (June 30): 56.

► Birds; beaver in Bright Angel Creek; coyotes in Nankoweap Canyon, first record of coyotes in canyon bottom.

1930 19.53 Odds and ends. *Grand Canyon Nature Notes*, 4(10) (August 30): 69-71.

► Lizards, birds, chipmunks, falcons, trout eggs planted in Shinumo Creek, deer range on North Rim, live specimen of "probably Grand Canyon Rattler" collected at Desert View Point.

1931 19.5383 [Gila chipmunks hide pinyon nuts in women's dormitory at South Rim.] *Grand Canyon Nature Notes*, 5(3) (January): 33.

1931 19.59 [Young lizards coming out in the cold.] *Grand Canyon Nature Notes*, 5(5) (March): 46.

1931 19.5393 [First antelope kid of the year found, dead, "above Indian Gardens".] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70.

1931 19.60 [Desert pallid bat.] *Grand Canyon Nature Notes*, 5(8) (June): 74. [See also in 5(9) (July) (Tyler, 1931, ITEM NO. 19.1705).]

1931 19.5395 [Skunk vs. squirrels at Indian Garden.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(8) (June): 82.

1932 19.3707 Deer given with auto boomed business. *Popular Mechanics Magazine*, 58(1) (July): 63.

► James Cashman, Las Vegas, Nevada, auto dealer, gives away free deer with the purchase of each automobile $500 or more. His original stock comprised "seventeen deer raised on the outskirts of the famous Kaibab national forest that overhangs the northern rim of the Grand canyon" [*sic*].

1932 19.5056 Field observations. *Grand Canyon Nature Notes*, 7(4) (July):. ("By Naturalist Staff.")

► Squirrels, deer, antelope.

1932 19.63 Occurrence of the spadefoot toad in Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(7) (October): 70.

► Greenland Lake; first record in the national park.

1933 19.5064 [Mule deer at Nankoweap Creek.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 8(7) (October): 205.

► "According to Mr. Georges Vorge, geologist from the Univ. of Calif., several mule deer have apparently become permanent residents in the remote and isolated valley of Nankoweap creek. They were seen at various times during his stay (June and July) in that hot locality." (ENTIRE ITEM)

Anonymous *(continued)*

1934 19.5072 Report on rattlesnake specimens. *Grand Canyon Nature Notes*, 8(11) (February):.

► Follow-up to McHenry, 1933, ITEM NO. 19.998. Further identification of specimens from both sides of Grand Canyon, with "Sketch map showing locations in which rattlesnake records of the Grand Canyon region were made; after Klauber 1931 with additions".

1934 19.5073 [Nursing female Abert squirrel.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May): 280.

► "On April 16, Mrs[.] J. P. Brooks noted a female Abert Squirrel near her residence that apprently had just been nursing young." (ENTIRE NOTE)

1934 19.5081 [South Rim coyote identified as *Canis latrans mearnsi*; from Berry Ranch specimen.] *In:* Miscellaney [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.

1934 19.5082 [Early record of fawn mule deer, South Rim, May 23.] *In:* Miscellaney [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.

1934 19.5084 [Skink.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(7) (October):.

► Skink collected "from the southwestern corner of Grand Canyon National Park" identified by Edward H. Taylor, University of Kansas, as (quoting Taylor) "an extremely rare species, at the moment still undescribed".

1937 19.67 Sky island. *Natural History*, 40(3): 558.

► Shiva Temple expedition.

1937 19.68 Grand Canyon expedition. *Natural History*, 40(3): 616.

► Shiva Temple expedition.

1937 19.69 The scene of the climb to Shiva's Temple in quest of a biological "lost world". *Illustrated London News*, 191 (September 25): 507-508.

► Shiva Temple expedition.

1937 19.70 Treasureless island. *Time*, 30 (October 4): 45-47.

► Shiva Temple.]

1937 19.4122 20-day deer season in Kaibab opens Oct. 27. *Desert Magazine*, 1(1) (November): 36.

► Deer hunting season, Kaibab Plateau.]

1938 19.4124 Cameron. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 1(5) (March): 20.

► "Twelve Arizona hunters, 10 men and two women, were permitted to shoot one buffalo each from the state protected herd in House Rock canyon [House Rock Valley] on January 22. The names of the hunters were drawn by lot from 371 applicants. Each hunter was permitted to retain one quarter of the meat, the head and the hide. The state reserved the right to sell the remainder of the meat." (ENTIRE ITEM)

Anonymous *(continued)*

1940 19.4125 Flagstaff. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 3(3) (January): 34.

► "When George Andrakos, hotel employe at Grand Canyon, shot a coyote he was arrested, now faces trial in federal court at Prescott. Andrakos' target was semi-tame, had thrilled many tourists by practically eating out of their hands. In fact the coyote was so tame he sat often by the roadside waiting for motorists to stop and offer candy or cookies. Park Service regulations prohibit killing any wildlife in a national park." (ENTIRE ITEM)

1940 19.3103 Arizona hunters shoot 55 buffalo to decrease size of state's herd. *Life*, 8(6) (February 5): 22-23.

► House Rock Valley.

1940 19.4126 Flagstaff. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 3(5) (March): 28.

► "Twenty-three men and women made their kills in January in the first of two state-supervised buffalo hunts in remote Houserock Valley of northeastern Arizona. Another group of 25 hunters formed second expedition for trophies third week in February. Women in the first hunt were Mrs. Amy Wagner, Phoenix, and Mrs. Hazel Wittkop, Tucson." (ENTIRE ITEM) [House Rock Valley.]

1941 19.2614 List of reserves that may serve as nature sanctuaries of national and international importance, in Canada, the United States, and Mexico. *Ecology*, 22(1) (January): 100-107.

1941 19.2789 [Beaver at Phantom Ranch displaced to Wall Creek.] *In:* Oddities [SECTION]. *Region III Quarterly* (U.S. National Park Service), 3(2) (April):.

1942 19.4127 Renegade buffalo killed. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 5(7) (May): 31.

► "Old Renegade—one ton buffalo outlaw—will destroy no more for he was shot a short time ago and at request of Arizona's game and fish commission. For 17 years he held his own against all comers in Arizona's buffalo herd that roams House Rock valley, but when he was challenged and beaten by a younger bull, Old Renegade departed to become a destructive nuisance." (ENTIRE ITEM)

1942 19.4129 New bison for Houserock. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 5(10) (August): 29.

► "Augmenting the Houserock valley bison herd, Arizona has introduced 12 more bulls and yearling calves, shipped from Wichita mountain game refuge near Lawton, Okla. Another bull, a three-year-old, was sent to Tovrea memorial zoo near Phoenix. State-owned here at Houserock valley has attracted many tourists." (ENTIRE ITEM)] [House Rock Valley.

1944 19.4130 Buffalo hunt in February. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 7(4) (February): 31.

► "Grand Canyon—Annual buffalo hunt in House Rock valley on North Rim has been set by state game department for February 12 and 13. Applications of 35 hunters and alternates were to be selected by Arizona game and fish commission, Phoenix, January 22. The herd is the only free-roaming one in existence, has furnished background for many historical motion pictures." (ENTIRE ITEM)

Anonymous *(continued)*

1945 19.4131 Fifty to go buffalo hunting. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 8(4) (February): 29.

► "Grand Canyon—Hunters will crop 50 buffalo from the state owned herd in House Rock valley north of here February 3 and 4, in order to maintain the herd at 200, which is carrying capacity of the range. Herd produced 51 known calves the past season. The 50 hunters, drawn by lot, will be allowed to keep head, hide and one front quarter and may buy one other quarter at 25-35 cents per pound. No commercialization of the meat is permitted." (ENTIRE ITEM)

1945 19.3809 Casey hits a double. *Time*, (July 30):.

► Robert J. (Bob) Casey, Chicago Daily News reporter. Notes in part that "Once, when he heard that a couple of scientists were to climb to a Grand Canyon plateau never before trod by man, he flew over it dropping old whiskey bottles and Ford parts for the amazed scientists to find." (ENTIRE NOTE) Refers to the American Museum of Natural History's Shiva Temple expedition of 1937.

1946 19.4132 Those tiny horses. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 10(2) (December): 25.

► "Grand Canyon—Miniature horses exhibited as having come from Grand Canyon where they wre dwarfed for lack of feed, have never been near Grand Canyon, according to statement of Superintendent H. C. Bryant in a recent interview. 'The horse which have been exhibited as coming from Grand Canyon have their origin probably in Shetland stock secured from a ranch in Mexico,' Bryant said. The superintendent suggested that newspapermen could render a service to the public by refusing to be a party to the miniature horse hoax." (ENTIRE ITEM)

1949 19.4138 Girl shoots buffalo. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 12(6) (April): 29.

► Pauline Sinnett in state-sponsored hunt at House Rock Valley. Credited to *Aztec Independent Review*.

1949 19.4139 Deer hunters' paradise. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 12(12) (October): 29.

► Two special open seasons for Kaibab buck mule deer. Item credited to *Tombstone Epitaph*.

1949 19.4141 Buffalo range dispute unsettled. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 13(1) (November): 33.

► Offer to reduce House Rock Valley buffalo range involves less suitable lands. Item credited to *Coconino Sun*.

1950 19.4143 Buffalo range controversy. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 13(8) (June): 31.

► "Flagstaff—Seeking an end to a controversy that has continued since 1926, Thomas F. Kimball, state game commissioner, has suggested to Senator Ernest McFarland that a bill be introduced in congress giving the state title to 28,760 acres in Houserock Valley for a buffalo range. The controversy has existed since the Arizona Game and Fish Commission in 1926 bought a herd of about 80 buffalo which had been driven into Houserock Valley. At present cattle share the range. It is being over-grazed. In 1930 a tract of 44,000 acres was withdrawn by executive order of President Hoover,

Anonymous *(continued)*

but wording of this order was not specific enough to avoid later controversy.—*Coconino Sun*." (ENTIRE ITEM) [House Rock Valley.]

1950 19.4144 Houserock buffalo being moved. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 13(10) (August): 35.

► "Phoenix—Arizona's buffalo, now located in Houserock Valley, are to be moved to avoid starvation, the state game and fish commission has announced. Half of the 125 animals are to go to the buffalo refuge on Anderson mesa. To find a permanent home for the last remaining Arizona buffalo, the commission siad it is waiving all rights to Houserock Valley in return for approximately 100,000 acres of range in the Kaibab National Forest.—*Coconino Sun*." (ENTIRE ITEM)] [House Rock Valley.]

1952 19.4153 Game surveys completed. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 15(6) (June): 31.

► "Grand Canyon—'Knowledge of deer populations and trends is essential to proper deer range management,' explained J. J. Baldwin, district forest ranger for Kaibab National Forest when he released the figures obtained in the April range survey. 'Through a study of condition and trend of the herd and a study of available forage, it is possible to estimate and recommend the number that should be removed annually in hunting.' The survey will be evaluated by the Arizona Game Commission before hunt proposals are made.—*Kane County Standard*." (ENTIRE ITEM)

1952 19.4154 Cattle in Kaibab. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 15(7) (July): 29.

► "Grand Canyon—The United States Forest Service has decided to give cattle a permanent place on the Kaibab National Game Refuge, which was set aside by President Theodore Roosevelt in 1906 for the famou Kaibab deer herd. The action was taken because cattlemen agreed to reduce livestock use 38 percent through fall calf sales that wuld remove the annual increase. It is expected the admission of cattle to range lands will necessitate a larger deer hunt this fall.—*Arizona Republic*." (ENTIRE ITEM)

1952 19.4155 Biggest Kaibab hunt. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 15(11) (November): 29.

► "Grand Canyon—The entire Grand Canyon National Game Preserve will be open during parts of October and November for the biggest Kaibab North deer hunt in history. The first section hunt was scheduled October 10 through 19; the second will begin October 24 and continue through November 9. Seven thousand hunters were expected to participate.—*Chandler Arizonan*." (ENTIRE ITEM)

1957 19.4814 Mule deer in the Kaibab. *Westways*, (November):.

1958 19.3072 Early history of the North Kaibab. *Arizona Game Protective Association, Outdoor News*, (July):.

1959 19.4335 Bears on canyon rim. *Desert Magazine*, 22(12) (December): 35.

► "For the first time in many years, wild black bears have been seen on the South Rim of Grand Canyon. Reports indicate that the bears are two or three years old and weigh from 150 to 200 pounds. Potentially dangerous to overly-curious tourists, the bears so far have done no worse than knock over a few garbage cans. Most of the

Anonymous *(continued)*

bruins were spotted in Grandview, a heavily wooded area 10 miles east of Park headquarters." (ENTIRE ITEM)

1960 19.6247 L'homme et la nature. *La Banque Royale du Canada, Bulletin Mensuel*, 41(4) (May): 1-4. [In French.]

► See pp. 3-4, brief remarks on Kaibab deer herd.

1964 19.6753 Assault on common sense. *In:* News and Commentary [SECTION]. *National Parks Magazine*, 38(203) (August): 16.

► Arizona Game and Fish Commission "sanctioned an 8-day open season on the rare and scientifically important Kaibab squirrel".

1964 19.6754 [Position statement and action item.] *National Parks Magazine*, 38(205) (October): back cover.

► Opposes Arizona Game and Fish Commission's recent announcement of an open season on the Kaibab squirrel in conjunction with a turkey hunt. "The scheduled hunt was cancelled for this year, at least."

1969 19.2943 News notes from Baylor University. *Texas Herpetological Society Newsletter*, [older series (Sam Houston State College)], (March): [3].

► Notice of Fred Gehlbach research at Grand Canyon.

1975 19.6146 Ponderosa pine and Abert squirrels. *Forestry Research* (U.S. Forest Service, Fort Collins, Colorado), (July): 6-7.

► Research of David R. Patton. Includes Kaibab squirrel.

1977 19.4106 Grand Canyon burros get 1-year reprieve. *National Park Courier* (U.S. National Park Service, Employees and Alumni Association), 24(5) (May): 3.

1977 19.6757 Grand Canyon; NPS grapples with widespread misunderstanding of burro problem. *National Parks and Conservation Magazine*, 51(6) (June): 26.

1978 19.3336 Can the GOP save them? *In:* Frontlines [SECTION]. *Mother Jones*, 3(7) (August): 9.

► Grand Old Party (Republican Party). Feral burros in Grand Canyon.

1978 19.74 NPCA observes park problems in the inner canyon. *National Parks and Conservation Magazine*, 52(10) (October): 22, 29-30.

► Includes the burro problem.

1979 19.4109 Grand Canyon NP. *In:* Park Briefs [SECTION]. *Courier* (U.S. National Park Service), 2(6) (April): 12.

► Proposal to remove burros from Grand Canyon the subject of six public meetings in the Southwest.

Anonymous *(continued)*

1980 19.4110 Grand Canyon NP. *In:* Park Briefs [SECTION]. *Courier* (U.S. National Park Service), 3(1) (January): 9.

► Feral burros in Grand Canyon to be rounded up by the New York-based Fund for Animals.

1980 19.3335 Living on burrowed time? *New Scientist*, 87 (August 14) (1214): 511.

► Feral burros in Grand Canyon.

1980 19.76 The big burro boost. *Life*, 3 (October): 118-120.

1980 19.75 NPCA intervenes in burro lawsuit. *National Parks and Conservation Magazine*, 54 (November): 22.

1984 19.80 *Life on the canyon rim.* Grand Canyon Natural History Association, [8] pp. (The Rim Trail series.)

1985 19.81 *The story behind "Our National Parks".* [Pleasantville, New York]: Reader's Digest Association, [4] pp.

► Pamphlet accompanying *Our National Parks* (1985); p. [2] contains a drawing and brief notice of Joseph Hall's work on the Kaibab squirrel.

1990 19.4710 Burros slaughtered in Arizona. *High Country News*, 22(11) (June 4): 3.

► In northwestern Arizona, 51 wild burros as part of a group of "150 scheduled for adoption under a BLM program" were found shot to death.] [Bureau of Land Management.

1994 19.88 Observations. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 45.

► Reprinted from *Grand Canyon Nature Notes*, September, 1921 [*sic*], October, 1932, November, 1926; mule deer, tarantulas.

1994 19.91 Odds and ends. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 88-89.

► Reprinted from *Grand Canyon Nature Notes*, March, 1931; April, 1931; July, 1929; September, 1929; lizards, snakes.

1994 19.94 Observation. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 111.

► Reprinted from *Grand Canyon Nature Notes*, July, 1933; chipmunks.

1994 19.95 Button, button, who has the button? *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 112-113.

► Reprinted from *Grand Canyon Nature Notes*, September, 1926; packrats.

1994 19.96 Observations. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 115.

► Reprinted from *Grand Canyon Nature Notes*, April, 1932; July, 1934; squirrels, chipmunks.

Anonymous *(continued)*

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1995 19.113 News from the Science Center. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (4) (October 1): 2.

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1996 19.4818 Mother nature wins again. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 7(9): 1-2.

► 1924 Kaibab deer drive.

1996 19.2955 Northern Arizona bat roost inventory. *Bats Magazine*, 14(4) (Winter).

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1996 19.4533 [*Corynebacterium renale* isolated from euthanized mule deer from Grand Canyon National Park.] *In:* Diagnostic Update [SECTION]. *AzVDL Newsletter* (University of Arizona, Department of Veterinary Science/Microbiology, Arizona Veterinary Diagnostic Laboratory and Cooperative Extension), 1(3) (December): 4.

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1999 19.2956 North American Bat Conservation Partnership. *In:* BCI Highlights [SECTION]. *Bats Magazine*, 17(1) (Spring).

► Notice of survey of Mexican free-tailed bat cave in Grand Canyon.

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2002 19.2954 The North American Bat Conservation Partnership. *Bats*, 20(2) (Summer/Fall): 31.

► Includes photographs of installation of bat gate on Stanton Cave.

2002 19.6640 From argali to bighorn. *Fish and Wildlife News* (U.S. Fish and Wildlife Service), (Winter 2002-2003): 11-12.

► Chinese biologists on Hualapai Indian Reservation and in Montana as part of the service's International Affairs program, which includes a cooperative study of the conservation and management of argali sheep in China and Rocky Mountain bighorn in Arizona. Includes photo of bighorn group along Widforss Trail, Grand Canyon North Rim.

2003 19.2359 Olo-oqlace. *Boatman's Quarterly Review*, 16(1) (Spring): 48.

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► See "Thomas L. Serfass", pp. 18-19. River otter reintroduction in Grand Canyon noted *in passing*, p. 19.

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► Aubrey Valley, Arizona.

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2009 19.2895 Nature factoid; spotted bats. *Arizona Highways*, 85(2) (February): 11.

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2015 19.4948 Arizona 2015; buffalo. Fall buffalo application alert. *Huntin' Fool* (Cedar City, Utah), 20(9) (September): 52.

► House Rock Valley, buffalo hunting permits.

2015 19.4799 Notes from the field; dispatches from Grand Canyon Trust staff on the front lines of conservation across the Colorado Plateau. *Colorado Plateau Advocate*, (Fall/Winter): 26-28.

► Of pertinence to this bibliography: see "North Rim Ranches" (p. 28), regarding the modeling of wildlife habitat use through "camera trapping", modification of natural vegetation to stop invasive cheatgrass, and other studies. Regarding "camera trapping" see daylight photo, p. 27, from J. Holm and B. Dickson, "A wildlife camera trap snapped this photo of a mountain lion on the Kaibab Plateau (North Rim Ranches)." [Kane Ranch, Two Mile Ranch.]

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► Buffalo herd on North Rim.

2017 19.5804 Black and white and hidden from sight. *Canyon Views* (Grand Canyon Association), 24(2) (July): 6-7.

► Hog-nosed skunks in the Colorado River corridor. Regarding the research by Brandon Holton.

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2014 19.5357 Odocoileus hemionus (hemionus) *on the North Rim of the Grand Canyon: A study of wildlife nutrition, metabolic response and interaction of the herd with the winter habitat on the North Kaibab Plateau.* Doctoral dissertation, Arizona State University, 217 pp.

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2009 19.5025 Physiological effects of the North Kaibab winter habitat on mule deer [ABSTRACT]. *Society for Range Management, 62nd Annual Meeting*, Paper no. 175-3.

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1927 19.3458 Seventeenth census of living American bison as of January 1, 1926. Compiled by Martin S. Garretson. *American Bison Society, Report, 1924-1926*, pp. 25-.

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► This "is the fifth in a series of articles by Mrs. Armer telling of her experiences in the land of the Navajos. This episode occurred in 1925." Includes photo (p. 12) with legend that repeats text from p. 13): "He [Mr. Armer] had been in Grand Canyon at the time certain very small ponies were found there. He photographed the finder and the ponies on the north bank of the canyon." Photograph depicts man with pony wrapped around his shoulders, standing on edge of North Rim. Article does not discuss further. [Miniature horses, so-called.] See also C. Pepper (1967, ITEM NO. 19.4391).

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Bendt, Robert H.

1957 19.4241 Status of bighorn sheep in Grand Canyon National Park and Monument. *In:* First Annual Meeting, Desert Bighorn Sheep Council, September 23, 24, and 25, 1957, Palm Room-Royal Nevada Hotel, Las Vegas, Nevada. *Desert Bighorn Council, Transactions*, 1: 16-19.

1957 19.4243 [Remarks.] *From:* Burro-bighorn competition and control. *In:* First Annual Meeting, Desert Bighorn Sheep Council, September 23, 24, and 25, 1957, Palm Room-Royal Nevada Hotel, Las Vegas, Nevada. *Desert Bighorn Council, Transactions*, 1: 75.

1957 19.4244 [Remarks.] *From:* Hunting. *In:* First Annual Meeting, Desert Bighorn Sheep Council, September 23, 24, and 25, 1957, Palm Room-Royal Nevada Hotel, Las Vegas, Nevada. *Desert Bighorn Council, Transactions*, 1: 77.

▶ Remarks specifically relate to a previous speaker's relation that an Arizona man arrested for shooting a bighorn was aquitted because he had believed it was an ibex (that bighorns were unknown in the region). Bendt commented: "We have found the same thing at Grand Canyon where unlike Death Valley we have people coming from all parts of the world, and looking down into the canyon the first thing they want to know is what are these trails they see on this Tonto Plateau[.] We hate to tell them they are made by feral burros. We tell them, Yes, we have bighorn. We take caution in making any estimates, but they are amazed that there are any bighorns." (ENTIRE ITEM)

Bergamini, Rex R.; Calvo, Chris M.; Nowak, Erika M.; AND Chambers, Carol L.

2014 19.4494 *Rare herpetofauna and small-mammal species of Kaibab National Forest, northern Arizona: Final report (FS Agreement No. 12-CS-11030700-025).* Flagstaff, Arizona: Northern Arizona University, *for* [U.S. Forest Service], Kaibab National Forest, 76 pp.

Berger, Joel

1975 19.6301 *Behavioral ecology of feral horses,* Equus caballus*, in the Grand Canyon.* Master's thesis, California State University at Northridge, 84 pp.

1977 19.252 Sympatric and allopatric relationships among desert bighorn sheep and feral equids in Grand Canyon. *Southwestern Naturalist*, 22: 411-420.

1977 19.253 Organizational systems and dominance in feral horses in the Grand Canyon. *Behavioral Ecology and Sociobiology*, 2(2) (June): 131-146.

Berger, Meyer

1937 19.254 Hunting the secrets of the awesome Colorado Canyon. A scientific expedition will climb to "islands in the sky" to read a lost book of nature. *New York Times Magazine*, (September 19): 14-15, 20.

▶ Shiva Temple.

Berland, Mark, AND Klyczek, Karen

2005 19.2929 Case it! Case study learning via simulations of molecular biology techniques. *In:* O'Donnell, M. A. (ed.), *Tested studies for laboratory teaching, Volume 26 : proceedings of the 26th Workshop/Conference of the Association for Biology Laboratory Education (ABLE)*, pp. 43-56. ("Contributed by Steven Rice, Wake Forest University, Winston-Salem, NC".)

▶ See under "Squirrel taxonomy", p. 51 (Kaibab squirrel).

Berna, Howard J.

1990 19.255 Observations on the dwarf shrew (*Sorex nanus*) in northern Arizona. *Great Basin Naturalist*, 50(2): 161-165.

1990 19.256 Seven bat species from the Kaibab Plateau, Arizona, with a new record of *Euderma maculatum*. *Southwestern Naturalist*, 35(3) (September): 354-356.

1990 19.5177 *Ecology and life history of the tiger salamander,* Ambystoma tigrinum nebulosum *Hallowell, on the Kaibab Plateau.* Master's thesis, Arizona State University, 121 pp.

1991 19.257 First record of the ermine (*Mustela erminea*) in Arizona. *Southwestern Naturalist*, 36(2) (June): 245-246.

► Fracas Lake, 9.6 km SSW of Jacob Lake, Arizona.

Bernard, Riley F., AND Minckley, Thomas A.

2024 19.6873 Flying by the river side: Survey of bat distributions and environmental contexts along a 1000-mile river corridor, Green and Colorado Rivers, USA. *Diversity and Distributions*, 2024(30): e13842, https://doi.org/10.1111/ddi.13842, 15 pp. + complete data set accessible online.

► Observations made during the 2019 Sesquicentennial Colorado River Exploring Expedition (SCREE), Green and Colorado Rivers.

Best, Troy L.

1996 19.5551 *Lepus californicus*. *Mammalian Species*, (530), 10 pp.

Best, Troy L., AND Skupski, Marian P.

1994 19.259 *Perognathus flavus.* *Mammalian Species*, (471), 10 pp.

Biggins, Dean E.; Godbey, Jerry L.; Livieri, Travis M.; Matchett, Marc R.; AND Bibles, Brent D.

2006 19.6407 Postrelease movements and survival of adult and young black-footed ferrets. *In:* Roelie, James E., Miller, Brian J., Godbey, Jerry L., and Biggins, Dean E. (eds.), Recovery of the black-footed ferret: Progress and continuing challenges : proceedings of the symposium on the Status of the Black-footed Ferret and its Habitat, Fort Collins, Colorado, January 28-29, 2004. *U.S. Geological Survey, Scientific Investigations Report 2005-5293*, pp. 191-200.

► Includes Aubrey Valley, Arizona.

Biggs, Sharon

2009 19.6409 The quest for emerald eyes. *In:* Black-footed Ferret Conservation [FEATURE]. *Conservation and Science* (Phoenix Zoo and Arizona Zoological Society), (July): 6-7.

► Night searching for black-footed ferrets in Aubrey Valley.

Binkley, Dan [Binkley, Daniel]**; Moore, Margaret M.; Romme, William H.; AND Brown, Peter M.**

2004 19.3934 Bringing back the Kaibab deer story: A complete case study for land stewardship [ABSTRACT]. *In:* Kolb, Thomas E. (compiler), *Proceedings of the Fifth Biennial*

Conference on University Education in Natural Resources, Flagstaff, Arizona, March 14-17, 2004. Logan, Utah: Utah State University, S. J. and Jessie E. Quinney Natural Resources Research Library, Library Publishing Center, p. 78. (Volume series: *Natural Resources and Environmental Issues, Volume 12*.)

2006 19.2668 Was Aldo Leopold right about the Kaibab deer herd? *Ecosystems*, 9(2): 227-241.

Birkeland, Bob

1993 19.3893 Canyon area antelope. *Pronghorn* (Arizona Antelope Foundation), 1(4) (Fall): 1, 4.

Black, Donald M.

1956 19.6751 Ozzie lives here now. *National Parks Magazine*, 29(120) (January/March): 28-29.

► Ozzie is "a spotted ground squirrel of the Grand Canyon country" now living at this ranger's home at Grand Canyon. With photo.

Blair, Gerry

1978 19.267 The burro problem at Grand Canyon; feral burros in Grand Canyon National Park are destroying habitat and competing with native species for space and food. *National Parks and Conservation Magazine*, 52(3) (March): 10-14.

Blaisdell, James A.

1966 19.268 Wildlife policies and management practices at Grand Canyon National Park. *In: Proceedings of the 6th Annual Meeting of the Wildlife Society, New Mexico-Arizona Section, Show Low, Arizona.*

Blaker, Elizabeth

2013 19.4076 Creekside characters; the history and resurgence of northern Arizona's river otters. *Northern Arizona's Mountain Living Magazine*, (July): 38.

► Includes notice of plans for reintroduction to Colorado River in Grand Canyon.

Blanchard, Frank N.

1921 19.6623 A revision of the king snakes: Genus *Lampropeltis*. *U.S. National Museum, Bulletin 114*, 260 pp.

Blanton, Jesse D.; Dyer, Jessie; McBrayer, Jesse; AND Rupprecht, Charles E.

2012 19.6132 Rabies surveillance in the United States during 2011. *American Veterinary Medical Association, Journal*, 241(6) (September 15): 712-722.

► See p. 721: ". . . the identification of 2 foxes during 2011 in the Grand Canyon National Park . . . infected with an *E. fuscus* rabies virus variant may suggest the 2009 host shift to gray foxes has perpetuated and expanded or, alternatively, that increased contact rates between bats and foxes continue in the region." (ENTIRE NOTE) Big brown bat, *Eptesicus fuscus* (Palisot de Beauvois, 1796).

Blokland, P. van, AND Kok, D.

1989 19.6241 Dynamische simulatie in de klas. *Nieuwe Wiskrant* (Tijdschrift voor Nederlands Wiskundeonderwijs), (July): 18-23. [In Dutch.]

► Kaibab Plateau ecological model.

Blume, Bill; Greenhalgh, Scott; AND Zanone, Dan

1992 19.281 Rodent populations and distribution within the Colorado River corridor. *In: Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 102-109.

Boarman, William I.

2003 19.3422 Managing a subsidized predator population: Reducing common raven predation on desert tortoises. *Environmental Management*, 32(2): 205-217.

Bogan, Michael A.

1975 19.285 Geographic variation in *Myotis californicus* in the southwestern United States and Mexico. *U.S. Fish and Wildlife Service, Wildlife Research Report 3*, 31 pp.

Bogert, Charles M.

1931 19.286 Two reptiles new to the Grand Canyon region. *Grand Canyon Nature Notes*, 5(11) (September): 115-116.

► Black-tailed rattlesnake, *Crotalus molossus*; bicolor ground snake, *Sonora semiannulata semiannulata*.

1932 19.5059 Field observations. *Grand Canyon Nature Notes*, 7(5) (August): 54.

► "A Grand Canyon Rattlesnake (Crotalus c. abyssus) was collected on the west slope of Cedar Mountain on July 17th, 1932, by Bert Long and David Smith. This is the first definite record of this rare snake from above the Canyon rims. It was the typical salmon pink form." (ENTIRE NOTE)

1932 19.287 Herpetological problems at Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(6) (September): 61-65.

1933 19.288 Notes on Grand Canyon amphibians. *Grand Canyon Nature Notes*, 7(12) (March): 119-120.

1933 19.289 Notes on porcupines of the Grand Canyon region. *Grand Canyon Nature Notes*, 8(1) (April): 137-140.

1994 19.290 Notes on Grand Canyon amphibians. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 92-93.

► Reprinted from *Grand Canyon Nature Notes*, March, 1933.

1994 19.291 Notes on porcupines of the Grand Canyon region. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 117-118.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1933.

Böhm, Josef

2016 19.6955 Collapse of an ecosystem; a more complex simulation with a historical background. *DERIVE Newsletter* (Bulletin of the DERIVE User Group + CAS-TI), (101) (March): 6-28.

▶ Computer model of the North Kaibab deer irruption; detailed, with graphics and programming.

Bolker, Benjamin M.; Castro, Francisco de; Storfer, Andrew; Mech, Stephen; Harvey, Erik; AND Collins, James P.

2008 19.5024 Disease as a selective force precluding widespread cannibalism: a case study of an iridovirus of tiger salamanders, *Ambistoma tigrinum*. *Evolutionary Ecology Research*, 10: 105-128.

▶ Includes Kaibab Plateau.

Boone, James L.

2011 19.3999 *Annotated list of animal species observed in and adjacent to the Mojave Desert portion of Grand Canyon-Parashant National Monument.* Las Vegas: Desert Wildlife Consultants, LLC, SEPARATELY PAGINATED SECTIONS [43 pp. total].

▶ Survey route from Mesquite, Nevada, to Grand Wash Bay, Lake Mead, Arizona, including Virgin Mountains and Pakoon Spring.

Borell, A. E.

1936 19.292 A modern La Brea tar pit. *The Auk*, 53 (July): 298-300.

▶ September and October 1934 censuses of birds trapped in a tar pit "located one mile southwest of the village of Grand Canyon . . . [that] had been placed there during the building of the Hermit Rim Road." Includes notes on remediation, and an anecdotal report of deer and cattle having been rescued.

Bornemeir, Andrea

2005 19.3925 Buck Pasture on Buckskin Mountain. *In:* ADA Chapter News, ADA Buckskin Chapter [SECTION]. *Deer Times* (Arizona Deer Association), (Fall): 15-16.

▶ Kaibab Plateau.

Botkin, Daniel B.

2012 19.4149 *The moon in the nautilus shell : from climate change to species extinction, how life persists in an ever-changing world : discordant harmonies reconsidered.* Oxford and New York: Oxford University Press, 424 pp.

▶ See Chapter 5, "5. Mountain Lions and Mule Deer: Nature as Divine Order", which includes Kaibab Plateau.

Boundy, Jeff

1995 19.5923 Maximum lengths of North American snakes. *Chicago Herpetological Society, Bulletin*, 30(6) (June): 109-122.

▶ *Crotalus viridis abyssus*, p. 118.

Boundy, Jeff; Burbrink, Frank T.; Campbell, Jonathan A.; Crother, Brian I.; Queiroz, Kevin de; Frost, Darrel R.; Green, David M.; Highton, Richard; Iverson, John B.; Kraus, Fred; McDiarmid, Roy W.; Mendelson, Joseph R., III; Meylan, Peter A.; Pyron, R. Alexander; Reeder, Tod W.; Seidel, Michael E.; Tilley, Stephen G.; AND Wake, David B.

2012 19.4034 (STANDARD ENGLISH AND SCIENTIFIC NAMES COMMITTEE) Scientific and standard English names of amphibians and reptiles of North America North of Mexico, with comments regarding confidence in our understanding. (Brian I. Crother, Committee Chair.) Seventh edition. Official names list of American Society of Ichthyologists and Herpetologists, Canadian Association of Herpetology, Canadian Amphibian and Reptile Conservation Network, Partners in Amphibians and Reptile Conservation, Society for the Study of Amphibians and Reptiles, The Herpetologists' League. *Society for the Study of Amphibians and Reptiles, Herpetological Circular 39*, 92 pp.

▶ See p. 57, listing for *Crotalus oreganus abyssus* Klauber, 1930, Grand Canyon rattlesnake.

Boundy, Jeff; Campbell, Jonathan; AND Crother, Brian I.

2003 19.4033 Squamata—Snakes. *In:* Crother, Brian I., Boundy, Jeff, Campbell, Jonathan A., Quieroz, Kevin de, Frost, Darrel, Green, David M., Highton, Richard, Iverson, John B., McDiarmid, Roy W., Meylan, Peter A., Reeder, Tod W., Seidel, Michael E., Sites, Jack W., Jr., Tilley, Stephen G., and Wake, David B., Scientific and standard English names of amphibians and reptiles of North America North of Mexico: Update. *Herpetological Review*, 34(3): 201-203.

▶ Includes *Crotalus oreganus abyssus* Klauber, 1930 (listed, p. 201), Grand Canyon rattlesnake.

Bowden, Charles, AND Dykinga, Jack W.

1984 19.295 Bringing back the bighorns. *Arizona Highways*, 60(3) (March): 40-44, 46-47.

Breck, Stewart W.; Goldstein, Michael I.; AND Pyare, Sanjay

2012 19.5089 Site-occupancy monitoring of an ecosystem indicator: Linking characteristics of riparian vegetation to beaver occurrence. *Western North American Naturalist*, 72(4): 432-441.

▶ Study area along Colorado River from Glen Canyon Dam to the western boundary of Grand Canyon National Park.

Brennan, James

1979 19.3262 [Letter.] *From:* Burros or Mules to Blame? *In:* Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 12.

► In response to a letter by Charles A. Endicott (6(6) (30)), regarding the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Britt, T. L., AND Peterson, Jeff

1995 19.3894 Pronghorn in north central Arizona; Region II pronghorn profile. *Pronghorn* (Arizona Antelope Foundation), 3(2) (Spring): 4, "6", 8.

► *NOTE*: Article indicates text continues from page 4 to 6, thence to page 8; however, the text, interrupted thus, does not appear on page 6, nor is located on any other page of the issue.

Brooks, J. P.

1930 19.313 A unique combination. *Grand Canyon Nature Notes*, 4(5) (March): 31-32.

► Rabbits and deer. See also Lauzon, 5(4) (February 1931): 38.]

1994 19.316 A unique combination. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 129-130.

► Reprinted from *Grand Canyon Nature Notes*, March, 1930; mule deer and rabbits.

Brown, David E.

1983 19.361 On the status of the jaguar in the Southwest. *Southwestern Naturalist*, 28(4): 459-460.

1984 19.356 *Arizona's tree squirrels.* Phoenix: Arizona Game and Fish Department, 114 pp. (Federal Aid to Wildlife, W-53-R.)

1987 19.3870 Mule deer status report; 1987 Western States and Provinces Deer Workshop. *In: 1987 Western Deer Workshop, Pingree Park, Colorado, August 4-7, 1987 : deer management status reports*, 2 pp.

► Regarding "primary deer research efforts underway at this time", notes, "Final reports for long term North Kaibab studies." (ENTIRE NOTE)

2006 19.5641 An evolutionary history of pronghorn habitat and its effect on taxonomic differentiation. *In:* Toweill, Dale E. (ed.), *Proceedings of the 22nd Biennial Pronghorn Workshop, 2006, Idaho Department of Fish and Game, Shilo Inn, Idaho Falls, Idaho, May 16-19, 2006*, pp. 97-124.

2012 19.5620 (WITH Bud Bassett, Bill Broyles, Neil Carmony, Jim Heffelfinger, Larry Riley, Harley Shaw, Bill Silvey, Roger Sorensen, and Paul Webb) *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, 490 pp.

2012 19.5625 State refuges are the first step to game recovery. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 39-49.

► Includes reproduction of "Arizona Game Refuge Map—1939" (p. 46).

2012 19.5626 Game birds and game farms. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 56-61.

2012 19.5627 Fighting animal enemies becomes a federal responsibility. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 62-81.

2012 19.5628 The Kaibab deer controversy. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 82-102.

2012 19.5632 The Game Department takes up buffalo ranching. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 143-153.

2012 19.5633 The Forest Service and Game Department vie for management authority over big game. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 154-171.

2012 19.5634 Cleaning up the varmints. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 172-183.

2012 19.5635 Jack O'Connor and the antelope crisis on Anderson Mesa. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 184-194.

► Includes Grand Canyon.

2012 19.5636 Early wildlife studies with the University of Arizona and its cooperators. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 195-201.

2012 19.5642 Area investigations. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 288-296.

► See "Biotic Communities of Kaibab Plateau", pp. 288-290.

2012 19.5643 Federal and state conflicts over big game numbers—round two. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 308-321.

2012 19.5644 New approaches to managing big and small game. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 324-334.

2012 19.5646 The deer irruption of 1956-62. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 359-365.

2012 19.5649 Status of wildlife species in 1962. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 402-409.

Brown, David E., AND Babb, Randall D.

2009 19.3027 Status of the porcupine (*Erithizon dorsatum*) in Arizona, 2000-2007. *Arizona-Nevada Academy of Science, Journal*, 41(2): 36-41.

Brown, David E., AND Evans, James W.

1972 19.2826 *Kaibab squirrel stocking : progress report, July 1, 1971 to June 30, 1972.* [Phoenix]: Arizona Game and Fish Department, 2 pp. (Federal Aid in Wildlife Restoration Act Project W-53-22, work plan 6, job 4.)

Brown, David E., AND Heffelfinger, Jim

2012 19.5629 Arizona's elk restoration. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 103-110.

Brown, David E.; Evans, J.; AND Britt, T.

1977 19.359 *Arizona wildlife surveys and investigations, Kaibab squirrel stocking, final report.* Phoenix: Arizona Game and Fish Department.

1989 19.360 *Arizona game birds.* [Tucson]: University of Arizona Press, and Arizona Game and Fish Department, 307 pp.

Brown, J. P. S., AND Daemmrich, Bob

2005 19.3109 Where the wild ones are; in going and getting the renegade kind, Richard Jordan has lived the Ladino life. *American Cowboy*, (January/February): 70-76.

► See pp. 72-74, work with Cleveland Amory in capturing feral burros in Grand Canyon.

Brown, Nikolle L.

1998 19.366 Snake! *Boatman's Quarterly Review*, 11(3) (Summer): 33.

1999 19.367 Snakes of the Grand Canyon; 1999 update. *Boatman's Quarterly Review*, 12(2) (Spring): 14.

1999 19.368 Snakes of the Grand Canyon identification and distribution project: Information sheet. *Boatman's Quarterly Review*, 12(2) (Spring): 15.

1999 19.369 Critters in the Canyon: Snakes. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 3(3) (August): 9, 21.

1999 19.1927 Scaly skin? *Boatman's Quarterly Review*, 12(4) (Winter): 9.

1999 19.1928 Camp invaders. *The Waiting List* (Grand Canyon Private Boaters Association), 3(4) (December): 29-30.

2000 19.1957 Winter visitors; critters in the Canyon. *The Waiting List* (Grand Canyon Private Boaters Association), 4(1) (Spring): 31.

2000 19.1961 Snakes 2000. *Boatman's Quarterly Review*, 13(2) (Spring): 26.

2000 19.1962 Snakes of the Grand Canyon identification and distribution project: Information sheet. *Boatman's Quarterly Review*, 13(2) (Spring): 27.

2000 19.1982 Critters in the Canyon—lizards. *The Waiting List* (Grand Canyon Private Boaters Association), 4(2) (Summer): 31.

2000 19.1983 Wanted! Snake information. *The Waiting List* (Grand Canyon Private Boaters Association), 4(2) (Summer): 31.

2000 19.1984 Critters in the Canyon—bats. *The Waiting List* (Grand Canyon Private Boaters Association), 4(3) (Fall): 7.

2001 19.2037 You are invited to contribute to a non-invasive study of the snakes of Grand Canyon. *Nature Notes* (Grand Canyon National Park), 17(1) (Summer): 6-7.

2001 19.2038 Critters in the Canyon—beaver hazards. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 34.

2002 19.2182 Snakes of the Grand Canyon identification and distribution project. *Boatman's Quarterly Review*, 15(1) (Spring): 46.

► Request for information. Author's name mispelled "Nicolle".

2003 19.2428 Chuckwallas and Gila monsters. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(3) (Fall): 58-59.

2003 19.2969 [Species record] *Crotalus scutulatus* (Mojave rattlesnake). *Herpetological Review*, 34(2): 168.

2003 19.2970 [Species record] *Crotalus mitchellii pyrrhus* (southwestern speckled rattlesnake). *Herpetological Review*, 34(3): 263.

2003 19.2971 [Species record] *Crotalus scutulatus* (Mojave rattlesnake). *Herpetological Review*, 34(3): 263.

2004 19.2467 Critters in the canyon: Bighorn sheep. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(4) (Winter/Spring): 19.

Brown, Nikolle L., AND Schwalbe, Cecil

2001 19.2019 Snakes of the Grand Canyon. *Boatman's Quarterly Review*, 14(2) (Summer): 7.

Brown, Perry E.

1932 19.370 Game survey of Walhalla Plateau. *Grand Canyon Nature Notes*, 7(4) (July): 33-38.

Brown, Richard L.

1990 19.4420 Elk seasonal ranges and migrations; a final report. *Arizona Game and Fish Department, Research Branch, Technical Report 1*, 40+ pp. [76 pp. total].

Broyles, Bill, AND Brown, David E.

2012 19.5639 Federal wildlife refuges in Arizona. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 235-252.

Brueck, Vaydes J.

1985 19.371 Squirrel hunt. *Hibernacle News*, 1985: [9].

► Facsimile from newspaper, letter addressed to "Editor, Spectrum". Kaibab squirrel hunt.

Brulliard, Nicolas

2017 19.6765 The burro quandary; wild donkeys are cute but destructive, and park officials don't know what to do with them. *National Parks*, 91(1) (Winter): 28-35.

► Includes Grand Canyon.

2017 19.6766 Desert gator; the life and times of Clem of Grand Canyon-Parashant. *National Parks*, 91(3) (Summer): 58-59.

► Regarding the feral alligator set loose in the 1970s at Pakoon Springs, a ten-acre habitat now in Grand Canyon-Parashant National Monument; recaptured in 2005 and now living in a sanctuary in Scottsdale, Arizona.

2019 19.6768 Home on the range? Bison are destroying Grand Canyon's fragile meadows, but removing the animals is no easy task. *National Parks*, 93(3) (Summer): 24-25.

Bryan, Joseph J.

1933 19.5067 [Rock squirrels.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.

► "This year there is a large increase in the number of Colorado Rock Squirrels (Otospermophilus g. grammurus) both at Indian Gardens in the Canyon, and along the South Rim." (ENTIRE NOTE)

Bryant, Harold C.

1945 19.378 The status of big game in Grand Canyon National Park. *Arizona Wildlife and Sportsman*, 6(9) (July): 11.

Bryson, Robert W., Jr.; Montes-Oca, Adrian Nieto de; Jaeger, Jef R.; AND Riddle, Brett R.

2010 19.3348 Elucidation of cryptic diversity in a widespread Nearctic treefrog reveals episodes of mitochondrial gene capture as frogs diversified across a dynamic landscape. *Evolution*, 64(8) (August): 2315-2330.

► *Hyla arenicolor*.

Buchheit, Mike

2020 19.6516 Bighorn family in the canyon. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 22. [Photo.]

Buecher, Debbie C.

2005 19.2581 An acoustic survey for bats along the Colorado River corridor [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 33.

Burak, Gale

1990 19.5766 ["Pygmy horses" from Grand Canyon.] *Grand Canyon Pioneers Society* [newsletter], (February): 4-5.

▶ Regarding the so-called "miniature horses" of Havasu Canyon. *NOTE:* This issue predates the enumerated issues of the *Grand Canyon Pioneers Society Newsletter*.

Burk, C. John

1973 19.393 The Kaibab deer incident: A long-persisting myth. *BioScience*, 23(2): 113-114.

▶ See also letter from Joshua Lederberg, 25(1) (January 1975): 8 (ITEM NO. 19.3938).

Burke, Quentin

1988 19.6468 "'What's for Lunch?' by Quentin Burke demonstrates the advantages of shade over direct sunlight for many subjects in color. This starving deer was looking for a handout along the Kaibab Trail, Grand Canyon, AZ, 1982. The color print pair is mounted in a Q-VU-X Mount as covered in Stereo World, July/August '87, page 23. *In:* A Stereo World Color Gallery [SPECIAL SECTION]. *Stereo World*, 15(1) (March/April): 36.

▶ Color stereo pair; front view of mule deer.

Burns, Bill

1979 19.3266 . . . and burro control. *In:* Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 15, 17. [Ellipsis is part of title.]

▶ In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Burrell, Michael

2010 19.3940 Mule deer watch; understanding mule deer migration. *Christensen's Hunting Illustrated*, (Winter): 108-110.

▶ Kaibab deer noted, p. 109.

Burt, Charles E.

1931 19.6624 A study of the teiid lizards of the genus *Cnemidophorus* with special reference to their phylogenetic relationships. *U.S. National Museum, Bulletin 154*, 286 pp. [See *Cnemidophorus sexlineatus perplexus* (Baird and Girard) (pp. 122-140; *C. tesellatus tessellatus* (Say) (pp. 146-199).]

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Carson, Rachel

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Chambers, Carol L.; Herder, Michael J.; AND Corbett, R. Jason M.

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▶ Study on Haida Gwaii archipelago (Queen Charlotte Islands), British Columbia, Canada. See particularly "Encadré n°1: Kaibab, le plateau de la discorde", p. 8. Kaibab Plateau also noted on pp. 3, 40-41, 60.]

Chychota, Michael T.

1979 19.3263 [Letter.] *From:* Burros or Mules to Blame? *In:* Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 15.

▶ In response to a letter by Charles A. Endicott (6(6) (30)), regarding the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

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Cimellaro, Pete

2004 19.3929 Kaibab; a search for answers to important questions. *Deer Times* (Arizona Deer Association), (Summer): 8-9.

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2012 19.3942 Management deer hunts and trophy bucks. *The GCA Connection and Guntech DVD Magazine* (Gun Club of America), 75(7): 7, 9.

► Kaibab deer noted, *in passing*, p. 7.

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► See p. 169, "*Crotalus confluentus abyssus* Klauber", "= *Crotalus viridis abyssus* Klauber", "Paratypes (2): 32725, skin, Grand Canyon, Arizona, H. S. Barber, May 10,

1904. 59747, Shinumo Creek, 3,000 ft., Grand Canyon, Arizona, E. A. Goldman, Sept. 10, 1916. These specimens were not listed by number in the original description, but Klauber considers them paratypes."

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1978 19.3257 [Letter.] *From:* Bullets for Burros? *In:* Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9.

► In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

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► Kaibab squirrels.

1931 19.463 Bare facts about bear tracks. *Grand Canyon Nature Notes*, 5(8) (June): 73-74.

1994 19.464 Bare facts about bear tracks. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 142-143.

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Collins, Marian L. (ED.)

1957 19.6493 [Bobcat.] *The Supai Weekly News*, (February 13): 2.

► "Curley Jones went for a Sunday afternoon ride up Topocoba Trail. He saw a bobcat and chased it and killed it." (ENTIRE NOTE)

1959 19.6496 [Frog.] *The Supai News*, (January 29): 4.

► "Ham Grounds said he heard and saw a big frog in the river [Havasu Creek?] as he went to Hilltop so Spring must be near." (ENTIRE ITEM)

1959 19.6498 [Bears.] *The Supai News*, (August 14): 2.

► "James Wescogame called on the telephone and said Rock Tank was getting lots of water in it. He also said there were 3 or 4 bears up at the Grand Canyon. One of them chased William Little Jim." (ENTIRE ITEM)

Colorado River Wild Life Council

1982 19.467 *Endemic amphibians and reptiles of the Colorado River system : a status report.* Colorado River Wild Life Council, 44 pp.

Conley, Cort

2021 19.6663 In reference to the *Wally Rist Oral History* in the Summer 2021 BQR, volume 34:2. *In:* Dear Eddy [SECTION]. *Boatman's Quarterly Review*, 34(3) (Fall): 1.

► Regarding Rist and Steiger (2021, ITEM NO. 2.30302), which includes Rist's remarks on combat between "'a bird' and a rattlesnake"; the bird identified by Conley, from the Rist photograph, as a yellow-billed cuckoo.

Compton, Lee Ann

2000 19.3899 Status of Southwest river otters, *Lontra canadensis sonora*, in the Colorado River through Grand Canyon National Park. *The River Otter Journal* (The River Otter Alliance, Englewood, Colorado), 9(2) (Autumn): 10-11.

Coraci, Victoria E.

2015 19.4812 Environmental impacts of bison on the North Rim of Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 47(7): 311.

Corbett, Jason [Corbett, Richard Jason M.]

2014 19.4240 Grand Canyon high-flying ace. *Boatman's Quarterly Review*, 27(1) (Spring): 10-11.

► Big free-tailed bat in Grand Canyon.

Corbett, Richard Jason M.

2005 19.2621 *Movement patterns and roost sites of big free-tailed bats (*Nyctinompos macrotis*) in northern Arizona.* Master's thesis, Northern Arizona University, 101 pp.

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2005 19.2586 Foraging patterns and roost sites for female big free-tailed bats (*Nyctinomops macrotis*) in northern Arizona [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 38.

Cornely, John E., AND Baker, Robert J.

1986 19.3918 *Neotoma mexicana. Mammalian Species* (262), 7 pp.

Cornwell, G. W.

1961 19.475 How best to control destructive wildlife populations in our national parks. *American Forests*, 67: 26-27.

Coronado, Rod

2004 19.6400 Protecting prairie dogs and saving the ferret: AZEF! in action. *Earth First!*, (September/October): 24-26.

► Arizona Earth First! work in Aubrey Valley.

Count, E. W. [Count, Earl W.]

1929 19.480 Lunch à la Abert. *Grand Canyon Nature Notes*, 3(11) (July 31): 3.

► Abert squirrel.

1930 19.487 Some lizards of Grand Canyon. *Grand Canyon Nature Notes*, 4(6) (April 30): cover, 36-37. [Table of contents gives title as "Lizards as Known to the Indians.]

1930 19.489 Chisel-teeth-chatter. *Grand Canyon Nature Notes*, 4(10) (August 30): 65-66.

► Chipmunks, mice, squirrels.

1930 19.490 Dining solitaire. *Grand Canyon Nature Notes*, 4(11) (September 30): 77-78.

► Rock squirrels.

1930 19.491 Briefs. *Grand Canyon Nature Notes*, 4(12) (October 31): 90.

► Lizards, skunks, Abert squirrels, rock squirrels, hummingbirds, South Rim deer.

1931 19.492 A gopher-snake lunches. *Grand Canyon Nature Notes*, 5(9) (July): 90-92.

1994 19.500 A gopher-snake lunches. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 90-91.

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Cowan, Ian McTaggart

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Craft, Larua, AND Rey, Charles

1992 19.507 Bat activity along the Colorado River within the Grand Canyon. *In: Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 129-138.

Creech, Tyler G.; Epps, Clinton W.; Landguth, Erin L.; Wehausen, John D.; Crowhurst, Rachel S.; Holton, Brandon; AND Monello, Ryan J.

2017 19.5480 Simulating the spread of selection-driven genotypes using landscape resistance models for desert bighorn sheep. *PLoS One*, 12(5): e0176960, 26 pp. + Supporting Information online (12 pp., 3 Excel files), http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0176960.

► Includes Grand Canyon.

Croft, A. Russell

1932 19.517 A "reptile story". *Grand Canyon Nature Notes*, 7(8) (November): cover, 76.

► Horned lizard.

1932 19.518 Deer browse on cactus. *Grand Canyon Nature Notes*, 7(9) (December): 93.

► Prickly pear cactus patch near Grand Canyon Village.

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Crouch, Natalie

2021 19.6658 *Analysis of the venoms of four subspecies of the western rattlesnake (*Crotalus oreganus*).* Bachelor's thesis, University of Northern Colorado, 45 pp.

► *Crotalus oreganus oreganus*, *C. o. helleri*, *C. o. caliginis*, and *C. o. abyssus*.

Crumbo, Kim

1996 19.525 The last timber wolf. *Boatman's Quarterly Review*, 9(4): 8-9.

2005 19.5245 The return of the wild. *Arizona Wild* (Arizona Wilderness Coalition), (Fall/Winter 2005/2006): 3-4.

► Wolves in Arizona. Includes Grand Canyon region.

Cundall, David

2009 19.4036 Viper fangs: Functional limitations of extreme teeth. *Physiological and Biochemical Zoology*, 82(1): 63-79.

► Data include "*Crotalus abyssus*", Grand Canyon rattlesnake, p. 66. Listing only; no separate text mention.

Currier, Mary Jean P.

1983 19.4009 *Felis concolor*. *Mammalian Species*, (200), 7 pp.

► Includes *Felis concolor kaibabensis* Nelson and Goldman.

Czaplewski, Nicholas J.

1983 19.5010 *Idionycteris phyllotis*. *Mammalian Species*, (208), 4 pp.

► *Idionycteris phyllotis* (Allen, 1916), Allen's big-eared bat. Skull illustrated (Figure 2) by specimen from Shiva Temple, Grand Canyon, in collections of Museum of Nothern Arizona.

Czaplewski, Nicholas J.; Downs, J. M.; AND Phillips, Arthur M., III

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Da Silva, S. L.; Almeida, J. R.; Resende, L. M.; Martins, W.; Henriques, F. A. F. A.; Baldasso, P. A.; Soares, A. M.; Taranto, A. G.; Resende, R. R.; AND Dias-Junior, C. A.

2011 19.3989 Isolation and characterization of a natriuretic peptide from *Crotalus oreganus abyssus* (Grand Canyon rattlesnake) and its effects on systemic blood pressure and nitrite

levels. *International Journal of Peptide Research and Therapeutics*, 17(3) (September): 165-173.

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Dang, Chenglin, AND Huang, Ruifu [党承林； 黄瑞复]

1997 19.6242 生态系统的冗余与营养结构模型 [Shēngtài xìtǒng de rǒng yú yǔ yíngyǎng jiégòu móxíng]. Redundancy in ecosystems and the model for trophic structure. 生态学杂志 [shēngtài xué zázhì] [Journal of Ecology] / *Chinese Journal of Ecology*, 16(4): 39-46. [In Chinese, with bilingual titles and abstract.]

▶ Kaibab Plateau deer herd, see p. 44.

Darden, Thomas Reed

1965 19.5047 *The ecology and distribution of the rodents of northern Mohave County, Arizona.* Master's thesis, University of Arizona, 85 pp., map.

▶ Arizona Strip area.

Dary, David

1974 19.3442 *The buffalo book : the full saga of the American animal.* Chicago: Sage Books, 374 pp.

▶ House Rock Valley bison, p. 265.

1989 19.3443 *The buffalo book : the full saga of the American animal.* Athens, Ohio: Swallow Press/Ohio University Press, revised ed., 384 pp.

Davenport, M.; Lyndon, M.; AND Heinert, T.

2022 19.6826 Opportunities in co-management of publicly-managed buffalo herds—three years of live transfers of Grand Canyon buffalo, and 30 years of restoring buffalo to tribal nations with InterTribal Buffalo Council [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 39.

David, Jim

2013 19.5715 Trusting your instincts. *Muley Crazy* (Kanab, Utah), (February): 33-35.

▶ Mule deer hunting on Arizona Strip.

Davis, Jerry W.

1983 19.3751 Snags are for wildlife. *In:* Davis, Jerry W., Goodwin, Gregory A., and Ockenfels, Richard A. (technical coordinators), Snag Habitat Management: Proceedings of the symposium, June 7-9, 1983, Northern Arizona University, Flagstaff. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-99*, pp. 4-9.

▶ Includes Kaibab Plateau.

Davis, Mark A.; Douglas, Marlis R.; Collyer, Michael L.; AND Douglas, Michael E.

2016 19.5004 Deconstructing a species-complex: Geometric morphometric and molecular analyses define species in the western rattlesnake (*Crotalus viridis*). *PLoS One*, 11(1): e0146166, doi:10.1371/journal.pone.014166, 21 pp.

▶ Includes *Crotalus oreganus viridis*, Grand Canyon rattlesnake.

Davis, Russell, AND Brown, David E.

1989 19.541 Role of post-Pleistocene dispersal in determining the modern distribution of Abert's squirrel. *Great Basin Naturalist*, 49(3): 425-434.

▶ Includes Kaibab Plateau.

Davis, Russell, AND Callahan, J. R.

1992 19.542 Post-Pleistocene dispersal in the Mexican vole (*Microtus mexicanus*): an example of an apparent trend in the distribution of southwestern mammals. *Great Basin Naturalist*, 52(3): 262-268.

▶ Includes Grand Canyon South Rim.

Dedera, Don

1972 19.2186 One pace forward, two to the rear. *Outdoor Arizona*, (April):.

▶ Kaibab deer.

Dennis, John G.

1979 19.6464 The relationship of research to resolution of a high interest natural resource issue—management of free-roaming burros on National Park System lands [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 252.

▶ Notes Grand Canyon.

1994 19.4101 The role of wilderness in maintaining biological diversity. *In:* Hendee, John C., and Martin, Vance G. [eds.], *International Wilderness Allocation, Management, and Research : proceedings of a symposium during the 5th World Wilderness Congress, Tromsø, Norway, September 1993.* [Fort Collins, Colorado: The WILD Foundation, and Moscow, Idaho: University of Idaho, Wilderness Research Center], pp. 105-109. [Volume: Published with the support of World Heritage Centre (UNESCO), Paris, and with the assistance of U.S. Bureau of Land Management, U.S. Forest Service, and U.S. National Park Service. Cover title: *International Wilderness Allocation, Management, and Research : a symposium of the 5th World Wilderness Congress.*]

▶ Includes Grand Canyon.

Detering, Hank

2014 19.4427 Bighorn respiratory disease. *Boatman's Quarterly Review*, 27(2) (Summer): 9.

Deufel, Alexandra, AND Cundall, David

2006 19.3990 Functional plasticity of the venom delivery system in snakes with a focus on the poststrike prey release behavior. *Zoologischer Anzeiger*, 245: 249-267.

► Data set includes Grand Canyon rattlesnake, *Crotalus abyssus* (p. 258).

Devitt, Thomas J.; LaDuc, Travis J.; AND McGuire, Jimmy A.

2008 19.4514 The *Trimorphodon biscutatus* (Squamata: Colubridae) species complex revisited: A multivariate statistical analysis of geographic variation. *Copeia*, 2008(2): 370-387.

Dickens, Joan L.

1986 19.558 A comparison of reptile use of old high water line habitats versus new high water line habitats in the Grand Canyon. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 215-220.

Diepstraten, Frans, AND Salevurakis, John

2006 19.5278 Der Bison; Come-Back der urigen Riessen. *Jagen Weltweit* (Nassau, Germany), (April): 42-49. [In German.]

► Table (p. 47) lists bison hunts in the U.S., including "House Rock in der Nähe des Grand Canyon und des North Kaibab Plateau", with the peculiar comments, "Unzugängliches Terrain. Outfitter unbedingt erforderlich." (Inaccessible terrain. Outfitter essential.) No further discussion.

Dixon, Joseph S.

1942 19.559 *Wildlife portfolio of the western national parks.* Washington, D.C.: U.S. Government Printing Office, 121 pp.

► Systematically arranged; mammals, birds, and reptiles.

Dodge, Natt N.

1938 19.561 Amphibians and reptiles of Grand Canyon National Park. *Grand Canyon Natural History Association, Bulletin 9*, 54 pp.

► Superseded by Donald M. Miller *et al.* (1982 ITEM NO. 19.1165), Grand Canyon Natural History Association Monograph 4.

1951 19.6750 Running wild. *National Parks Magazine*, 25(104) (January/March): 10-15.

► Feral burros in Grand Canyon.

1965 19.2830 Whitetail squirrel. *Pacific Discovery*, 18(2) (March/April): 23-26.

► Kaibab squirrel.

Dombrowski, Joanne, AND Smith, Susie

1989 19.563 Lizard density and habitat studies along the Colorado River in Grand Canyon National Park. *In: Colorado River Investigations VIII : July/August, 1989* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 75-91.

Dorst, Jean

1965 19.6898 *Avant que nature meure.* Neuchâtel: Delachaux et Niestlé, 540 pp. [In French.]

► Includes remarks on the Kaibab deer.

1966 19.6899 *Natur in Gefahr.* Zürich: Orell Füssli Verlag, 368 pp. [In German.]

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

1968 19.6900 *До того как умрет природа* [Do togo kak umret priroda] [Before nature dies]. (М. А. Богуславской, Н. Б. Кобриной [M. A. Boguslavskaya, N. B. Kobrina], translators; foreword, ed., А. Г. Банникова [A. G. Bannikova].) Moskva: Izdatel'stvo "Progress", 415 pp. [In Russian.]

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer. Author's name in Russian orthography: Жан Дорст.

1969 19.6901 *Prima che la natura muoia.* Milano: Labor, 473 pp. [In Italian.]

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

1969 19.6902 *Avant que nature meure.* Neuchâtel: Delachaux et Niestlé, 2nd ed., 538 pp. [In French.]

► Includes remarks on the Kaibab deer.

1970 19.6903 *Before nature dies.* (Constance D. Sherman, translator.) London: Collins, 352 pp.

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

1970 19.6904 *Ennen kuin luonto kuolee.* (Heikki Väänänen, translator.) Porvoo: WS, 373 pp. [In Finnish.]

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

1970 19.6905 *Avant que nature meure : pour une écologie politique.* (Prefaces by S. A. R. le Prince Bernhard and Roger Heim.) Neuchâtel: Delachaux et Niestlé, 3rd ed., revised and augmented, 540 pp. [In French.]

► Includes remarks on the Kaibab deer.

1971 19.6906 *Zanim zginie przyroda.* (Zofia Sikora, translator.) Warszawa: PW "Wiedza Powszechna", 459 pp. [In Polish.]

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

1971 19.6907 *Before nature dies.* Baltimore, Maryland: Penguin Books, 352 pp.

► Translation of *Avant que nature meure*. Includes remarks on the Kaibab deer.

Douglas, Michael E., AND Douglas, Marlis R.

2008 19.4035 Did vicariance shape population structure of sideblotched lizard, *Uta stansburiana*, in Grand Canyon, AZ? [ABSTRACT]. *In:* Donnelly, Maureen A. (compiler), *Abstracts : Joint Meeting of Ichthyologists and Herpetologists, July 23-28, 2008 : American Elasmobranch Society, 24th Annual Meeting, American Society of Ichthyologists and Herpetologists, 88th Annual Meeting, Herpetologists' League, 66th Annual Meeting, Society for the Study of Amphibians and Reptiles, 51st Annual Meeting*, abstract no. 0296, p. 137.

► Also notes "*Crotalus abyssus*" (*C. oreganus abyssus*), Grand Canyon rattlesnake; and *C. mitchellii*, speckled rattlesnake.

Douglas, Michael E.; Douglas, Marlis R.; Schuett, Gordon W.; Porras, Louis W.; AND Holycross, Andrew T.

2002 19.3527 Phylogeography of the western rattlesnake (*Crotalus viridis*) complex, with emphasis on the Colorado Plateau. *In:* Schuett, Gordon W., Hoggren, Mats, Douglas, Michael E., and Green, Harry W. (eds.), *Biology of the vipers*. Eagle Mountain, Utah: Eagle Mountain Publishing, pp. 11-50.

Dowell, Noah L.; Giorgianni, Matt W.; Kassner, Victoria A.; Selegue, Jane E.; Sanchez, Elda E.; AND Corroll, Sean B.

2016 19.6470 The deep origin and recent loss of venom toxin genes in rattlesnakes. *Current Biology*, 26 (September 26): 2434-2445 + Supplemental Information online, 10 pp.

► Data pertaining to protein phylogency of Pla2g2 proteins includes *Crotalus oreganus abyssus*, the Grand Canyon rattlesnake.

Drees, Linda

2004 19.4102 A retrospective on NPS invasive species policy and management. *Park Science* (U.S. National Park Service), 22(2) (Fall): 21-26.

► See p. 21, notice of, *in passing*, and photo of burro in Grand Canyon.

Drost, Charles A.

1996 19.571 Bat research in the Grand Canyon. *Colorado Plateau*, 6(2) (Summer): 7.

Drost, Charles A., AND Sogge, Mark K.

1993 19.2722 *Survey of an isolated northern leopard frog population along the Colorado River in Glen Canyon National Recreation Area.* U.S. National Park Service, Cooperative Parks Studies Unit, Northern Arizona University, 34 pp.

1995 19.574 Preliminary survey of leopard frogs in Glen Canyon National Recreation Area. *In:* Riper, Charles van, III (ed.), *Proceedings of the Second Biennial Conference on Research in Colorado Plateau National Parks*. U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-95/11, pp. 239-253.

► Colorado River downstream from Glen Canyon Dam.

2015 19.4755 Preliminary survey of leopard frogs in Glen Canyon National Recreation Area [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of

the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 22.

Drost, Charles A.; Gelczis, Lisa; Baker, Jay; AND Mock, Karen

2005 19.2590 Decline of northern leopard frogs (*Rana pipiens*) on the southern Colorado Plateau [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 41.

Du Puy, William Atherton

1925 19.2310 Forest reserve becomes a range of death: Great deer herd, isolated on an Arizona plateau, is dying rapidly of starvation. *New York Times Magazine*, (February 15): 8.

Dubay, Shelli A.; Rosenstock, Steven S.; Stallknecht, David E.; AND deVos, James C., Jr.

2006 19.2967 Determining prevalence of bluetongue and epizootic hemorrhagic disease viruses in mule deer in Arizona (USA) using whole blood dried on paper strips compared to serum analyses. *Journal of Wildlife Diseases*, 42(1) (January): 159-163.

► "Hemorrhagic disease viruses commonly infect Arizona mule deer, except on the Kaibab Plateau in northern Arizona." (from abstract).

Dunlap, Thomas R.

1988 19.577 That Kaibab myth. *Journal of Forest History*, 32(2) (April): 60-68.

Durham, Floyd E.

1952 19.2187 A new pocket gopher from the North Rim of the Grand Canyon, Arizona; *Thomomys bottae boreorarius*, ssp. nov. *Journal of Mammalogy*, 33(4) (November): 498-499.

► New subspecies.

1955 19.578 Variations and adaptations of the rodents of the North Rim of the Grand Canyon, Arizona. *In: Essays in the natural sciences in honor of Captain Allan Hancock : on the occasion of his birthday, July 26, 1955.* Los Angeles: University of Southern California Press, pp. 233-258.

1956 19.579 Amphibians and reptiles of the North Rim, Grand Canyon, Arizona. *Herpetologica*, 12: 220-224.

Durrant, Stephen D., AND Dean, Nowlan K.

1959 19.5467 Mammals of Glen Canyon. *In:* Woodbury, Angus M. (Biological Editor), Ecological studies of the flora and fauna in Glen Canyon. *University of Utah, Department of Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), pp. 73-103.

► Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona.

Durrant, Stephen D., AND Setzer, Henry W.

1945 19.3995 The distribution and taxonomy of kangaroo rats (genus *Dipodomys*) of Utah. *University of Utah, Bulletin*, 35(26) (June 30) (Biological Series, 9(3)), 39 pp.

► Includes localities immediately adjacent in Arizona.

Dyke, F. G. van; Brooke, R. H.; AND Shaw, H. G.

1986 19.2284 Use of road track counts as indices of mountain lion presence. *Journal of Wildlife Management*, 50(1): 102-109.

Dyke, F. G. van; Brooke, R. H.; Shaw, H. G.; Ackerman, B. B.; Hemker, T. P.; AND Lindzey, F. G.

1986 19.2285 Reactions of mountain lions to logging and human activity. *Journal of Wildlife Management*, 50(1): 95-102.

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1935 19.3541 Report on amphibians and reptiles of the Navajo country; based upon field work with the Rainbow Bridge-Monument Valley Expedition during 1933. *Rainbow Bridge-Monument Valley Expedition, Bulletin 3* (Berkeley, California), 20 pp.

1937 19.581 *Amphibians and reptiles of the Navajo country.* Berkeley, California: National Youth Administration, 33 pp.

Eaton, Theodore H., Jr.; Morris, Dorothy; AND Morris, Ruth

1937 19.583 *Mammals of the Navajo country.* Berkeley, California: National Youth Administration, 57 pp.

Egerton, Frank N.

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► Grand Canyon, see pp. 24, 25; Kaibab Plateau, p. 43.

Eginoire, Stephen

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Ellison, Anna S.

1979 19.3265 For burro protection . . . *In:* Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 15. [Ellipsis is part of title.]

► In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Encyclopedia Britannica Educational Corporation

1975 19.589 *The Kaibab deer : a lesson in management.* Chicago: Encyclopedia Britannica Educational Corp., 53-frame color filmstrip with record or audio cassette. (Ecology and the Role of Man Series.)

1984 19.590 *The living canyon : ecology, plants and animals.* Chicago: Encyclopedia Britannica Educational Corp., 75-frame color filmstrip with audio cassette. (Learning From Our National Parks—The Grand Canyon Series.)

Endicott, Charles A.

1978 19.3255 [Letter.] *From:* Bullets for Burros? *In:* Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9.

► In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Engelhard, Michael

2010 19.3029 The ear is an eye. *Sojourns* (Plateau, Peaks and Canyons Association), 5(1) (Winter/Spring): 18-21.

► Includes note, *in passing*, of audio recording relict leopard frogs at Grand Canyon's West Rim, and Grand Canyon National Park's Natural Sounds Program, p. 21.

Engelhardt, George P.

1917 19.3317 Grand Canyon notes. *Copeia*, (39) (January 24): 5-7.

► Notes from a trip into Grand Canyon on Bright Angel Trail, principally at Indian Garden; on lizards, frogs and tadpoles.

Epps, Clinton W.; Holton, P. Brandon; Monello, Ryan J.; Crowhurst, Rachel S.; Gaulke, Sarah M.; Janousek, William M.; Creech, Tyler G.; AND Graves, Tabitha A.

2024 19.6894 Population and spatial dynamics of desert bighorn sheep in Grand Canyon during an outbreak of respiraty pneumonia. *Frontiers in Ecology and Evolution*, 12: (1377214), doi: 10.3389/fevo2024.1377214, 22 pp. + Supplementary Material online, 24 pp.

Escamilla, Sasha

2021 19.6678 Sentry milk-vetch: Emerging threats and new discoveries. *Canyon Views* (Grand Canyon Conservancy), 28(2) (Fall/Winter): 10-13.

► Regarding *Astragalus cremnophylax* var. *cremnophylax* but article further includes investigations of habitat degradation caused by bison on the North Rim.

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Facka, Aaron N.; Lonsinger, Robert C.; AND Roemer, Gary W.

NO DATE 19.6411 *Estimates of population size of Gunnison's prairie dogs in the Aubrey Valley, Arizona[,] based on a new monitoring approach.* Las Cruces, New Mexico: New Mexico State University, Department of Fish, Wildlife and Conservation Ecology, *for* Arizona Game and Fish Department, Region III, Kingman, Arizona, 26 pp. [*Ca.* 2010.]

Feldner, M. J.; Schuett, G. W.; AND Slone, J. M.

2016 19.6022 Species accounts; *Crotalus abyssus* (Grand Canyon rattlesnake). *In:* Schuett, Gordon W., Feldner, Martin J., Smith, Charles F., and Reisener, Randall S. (eds.) *Rattlesnakes of Arizona : Volume 1: Species accounts and natural history.* Rodeo, New Mexico: ECO Publishing, pp. 45-108.

Flader, Susan L.

1974 19.606 *Thinking like a mountain : Aldo Leopold and the evolution of an ecological attitude toward deer, wolves and forests.* University of Missouri Press, 284 pp.

► See pp. 62, 81-92, 96, 99, 103, 104, 105, 115, 175-180, 183, 184, 201, 203, 242, 245, 247, 252. Kaibab deer.

Forbes, R. H.

1914 19.4097 Administration. *In: University of Arizona, Agricultural Experiment Station, Twenty-fifth Annual Report, for the year ending June 30, 1914 (with subsequent items).* Tucson: University of Arizona, Agricultural Experiment Station, pp. 321-328.

► See pp. 321-322, remarks on reconnaissance in Arizona Strip area, regarding farming and buffalo herd.

Ford, Andrew

2009 19.3913 *Modeling the environment.* Washington, D.C.: Island Press, 2nd ed., 380 pp.

► See Chapter 21, "The Overshoot of the Kaibab Deer Population", pp. 267-272.

2009 19.5811 Ecological interactions: Predator and prey dynamics on the Kaibab Plateau. *In:* Barlas, Yaman (ed.), *System dynamics : systemic feedback modeling for policy analysis. Volume 1.* Paris: United Nations Educational, Scientific and Cultural Organization; and Oxford: EOLSS Publishers Co. Ltd., pp. 166-183. (Encyclopedia of

Life Support Systems.) (Volume: Technology, Information, and Systems Management Resources, 2.)

Ford, Trevor D., AND Breed, William J.

1970 19.609 Tadpole holes formed during desiccation of overbank pools. *Journal of Sedimentary Petrology*, 40: 1044-1045.

► Modern fauna. "Abstract. An example of tadpole holes formed during the desiccation of a silt-floored pool in the overbank part of a stream course in Nankoweap Canyon, Grand Canyon, is described. The origin as well as the significance of these structures in the interpretation of past sedimentary features is discussed."

Forden, Lesley

2003 19.3086 *The Ford air tours, 1925-1931 : a complete narrative and pictorial history of the Seven National Air Tour competitions for the Edsel B. Ford Reliability Trophy : reprinted in support of the 2003 National Air Tour* (2003 additions and corrections by Gregory Herrick). New Brighton, Minnesota: Aviation Foundation of America, 202 pp. [Original edition 1972.]

► See p. 87: ". . . at Fredonia, Arizona a Scenic Airways Ford Tri-motor took off with eight deer aboard, carried them 95 miles across the Grand Canyon to Red Butte, to join the deer colony on the South Rim." (ENTIRE NOTE)

Forson, Diane Denise, AND Storfer, Andrew

2006 19.3576 Atrazine increases ranavirus susceptibility in the tiger salamander, *Ambystoma tigrinum*. *Ecological Applications*, 16(6) (December): 2325-2332.

► Under "Experimental Design" (p. 2326) notes: "). The ATV [*Ambystomum tigrinum* virus] isolate was extracted from a larval *A. tigrinum nebulosum* collected at a die-off site along the North Rim of the Grand Canyon . . . ."

Forsyth, David R.

1991 19.2840 *A comparative cytogenetic investigation of* Sciurus aberti aberti *and* Sciurus aberti kaibabensis. Master's thesis, Northern Arizona University, 81 pp.

Foster, James C.

1970 19.611 The deer of Kaibab: Federal-State conflict in Arizona. *Arizona and the West*, 12 (Autumn): 255-268.

Foster, L. S.

1885 19.3121 Abert's squirrel. *Science*, 5 (June 26) (125): 515.

► Takes note of the first illustration of Abert's squirrel, depicted in Plate 6 of L. Sitgreaves (1853).

Foster, Valerie Stein; Noble, Bill; Bratland, Kristin; AND Joos, Roger

2010 19.3731 *Management indicator species of the Kaibab National Forest: an evaluation of population and habitat trends. Version 3.0.* [U.S. Forest Service, Kaibab National Forest], 256 pp.

Fotsch, Fred, AND Mollica, Joe

1992 19.612 The 1992 lizard census of the Grand Canyon riparian corridor. *In: Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 110-118.

Fowlie, Jack A.

1965 19.613 *The snakes of Arizona : their derivation, speciation, distribution, description, and habits—a study in evolutionary herpeto-zoogeographic phylogenetic ecology.* Fallbrook, California: Azul Quinta Press, 164 pp.

Fox, William Henry

1917 19.3111 *Museums of the Brooklyn Institute of Arts and Sciences : report upon the conditions and progress of the museums for the year ending December 31, 1916.* Brooklyn, New York, New York: Brooklyn Institute of Arts and Sciences.

► See "Department of Natural Science", under "Collection and Exchange", "G. P. Engelhardt. Bat from Grand Canyon . . . Spermophile from Grand Canyon." (p. 50) No further elaboration.

Frangieh, Jacinthe; Rima, Mohamad; Fajloun, Ziad; Henrion, Daniel; Sabatier, Jean-Marc; Legros, Christian; AND Mattei, César

2021 19.6865 Snake venom components: Tools and cures to target cardiovascular diseases. *Molecules* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 26(2223), 14 pp. (https://doi.org/10.3390/molecules26082223).

► See pp. 14-15, notes on natriuretic-like peptide from *Crotalus oreganus abyssus* venom, citing Da Silva *et al.* (2012, ITEM NO. 19.3681).

Frey, Jennifer K.

1989 19.5543 *Morphologic variation in the Mexican vole (*Microtus mexicanus*).* Master's thesis, Emporia State University, Emporia, Kansas, 104 pp.

Frey, Jennifer K., AND LaRue, Charles T.

1993 19.5544 Notes on the distribution of the Mogollon vole (*Microtus mogollonensis*) in New Mexico and Arizona. *Southwestern Naturalist*, 38(2) (June): 176-178.

G

Gadow, Hans

1905 19.3699 The distribution of Mexican amphibians and reptiles. *Zoological Society of London, Proceedings*, 2(Part 1) (May/June): 191-244.

► See p. 192: "Valuable for comparison [to Dr. Meek's information], but of too short a time for serious collecting, were a few days passed in New Mexico, the Grand Cañon of Arizona, the Californian Desert, and the neighbourhood of San Francisco." (ENTIRE NOTE)

Gallizioli, Steve

1977 19.3866 Overgrazing on desert bighorn ranges. *Desert Bighorn Council, Transactions*, 1977: 21-23.

► See p. 22, note on area of Kanab Creek, Arizona Strip.

1979 19.4485 Effects of livestock grazing on wildlife. *Cal-Neva Wildlife* (Wildlife Society, California-Nevada Section, Transactions), 1979: 83-87.

Garavito, Nancy, AND Mowery, Garry

1991 19.622 Rodent distribution within the Colorado River corridor. *In: Colorado River Investigations #10 : July/August, 1991* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 91-100.

Garding, Emily; Leslie, Elaine F.; Ward, R. V.; AND York, Eric C.

2005 19.2592 Puma ecology and movements in the Grand Canyon region [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 45.

Garding, Emily; Leslie, Elaine F.; AND York, Eric C.

2004 19.2522 Puma ecology and movements in the Grand Canyon region, Arizona, USA [ABSTRACT]. *In:* Delach, Aimee (compiler), *Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico.* [No place]: Defenders of Wildlife, p. 184.

Garges, Patricia; Schwarz, Jean M.; Bonner, Shirley; AND Adams, Doug

1987 19.623 Reptile study—1986. *In:* Weiss, Gayle C. (ed.), *Colorado River Investigations V : July/August, 1986* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 175-190.

Garnett, Gregg N.; Chambes, Carol L.; AND Mathiasen, Robert L.

2006 19.2868 Use of witches' brooms by Abert squirrels in ponderosa pine forests. *Wildlife Society Bulletin*, 34(2) (June): 467-472.

Garrett, L. D.; Soulen, M. H.; AND Ellenwood, J. R.

1997 19.624 After 100 years of forest management: "The North Kaibab". *In:* Riper, Charles van, III, and Deshler, Elena T. (eds.), *Proceedings of the Third Biennial Conference of Research on the Colorado Plateau*. U.S. National Park Service, Transactions and Proceedings Series, NPS/NRNAU/NRTP-97/12, pp. 129-149.

2015 19.4761 After 100 years of forest management: "The North Kaibab" [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 31-32.

Garrigues, Roy M. [Garrigues, Roy McEndree, III]

1967 19.2832 *Some aspects of body characters, reproduction, feeding, and parasitism of the Grand Canyon rattlesnake,* Crotalus viridis abyssus*.* "A Master's Report", Kansas State University, 34 pp. [Master's thesis.]

Garrison, Tom E., AND Best, Troy L.

1990 19.4381 *Dipodomys ordii*. *Mammalian Species*, (353), 10 pp.

► Ord's kangaroo rat. Includes subspecies *D. o. cupidineus* Goldman, 1924, type locality "Kanab Wash, at southern boundary of Kaibab Indian Reservation"; *D. o. longipes* (Merriam, 1890), type locality "Foot of Echo cliffs, Painted Desert, Arizona".

Garvanza [*pseudonym*]

1906 19.3480 The bear and the bronco buster. *Western Field*, 8(1) (February): 42-46.

► Hunting bear between Flagstaff and Grand Canyon.

Gaud, William S.; Allred, W. Sylvester; AND States, Jack S.

1993 19.628 Tree selection by tassel-eared squirrels of the ponderosa pine forests of the Colorado Plateau. *In:* Rowlands, Peter G., Riper, Charles van, III, and Sogge, Mark K. (eds.), *Proceedings of the First Biennial Conference on Research in Colorado Plateau National Parks.* U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-93/10, pp. 56-63.

2015 19.4750 Tree selection by tassel-eared squirrels of the ponderosa pine forests of the Colorado Plateau [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 9.

Gehlbach, Frederick R.

1966 19.629 *Grand Canyon amphibians and reptiles : field check list.* Grand Canyon Natural History Association, 4 pp.

1967 19.630 Evolution of tiger salamanders (*Ambystoma tigrinum*) on the Grand Canyon rims, Arizona. *American Philosophical Society, Year Book*, 1967: 266-269.

1969 19.631 Determination of the relationships of tiger salamander larval populations to different stages of pond succession at the Grand Canyon, Arizona. *American Philosophical Society, Year Book*, 1969: 299-302.

1979 19.6466 Pond succession and cannibalism: Tiger salamander populations on the North Rim of Grand Canyon National Park [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 388.

Gehlbach, Frederick R.; Kimmel, J. R.; AND Weems, W. A.

1969 19.632 Aggregations and body water relations in tiger salamanders (*Ambystoma tigrinum*) from the Grand Canyon rims, Arizona. *Physiological Zoology*, 42: 173-182.

Gelczis, Lisa

2003 19.2383 Where are the amphibians? *Boatman's Quarterly Review*, 16(2) (Summer): 47.

2004 19.2448 Where are the amphibians? *Boatman's Quarterly Review*, 17(1) (Spring): 17.

2005 19.2513 Leopard frogs of Grand Canyon—a good news/bad news tale. *Boatman's Quarterly Review*, 18(1) (Spring): 12-14.

Gelczis, Lisa, AND Drost, Charles

2004 19.2491 AA surprise in Surprise Canyon: A new amphibian species for Grand Canyon National Park. *Nature Notes* (Grand Canyon National Park), (Fall): 1-3.

► New record of lowland leopard frog. *NOTE*: Later redetermined as relict leopard frog.

Gerba, John, AND Boulay, Paul

1973 19.4575 *Working papers in alternative futures and environmental quality.* [No place]: U.S. Environmental Protection Agency, Environmental Studies Division, Washington Environmental Research Center, Office of Research and Development, 240 pp.

► See "Nature of the Environmental Crisis" (pp. 5-33), brief notes regarding the Kaibab deer die-off of the 1920s, pp. 10, 12.

Germaine, Stephen S., AND Germaine, Heather L.

2003 19.2871 Lizard distributions and reproductive success in a ponderosa pine forest. *Journal of Herpetology*, 37(4): 645-652.

Germaine, Stephen S.; Germaine, Heather L.; AND Boe, Susan R.

2004 19.5255 Characteristics of mule deer day-bed and forage sites in current-condition and restoration-treated ponderosa pine forest. *Wildlife Society Bulletin*, 32(2) (Summer): 554-564.

► Mount Trumbull Resource Conservation Area.

Gibson, Polly P., AND Olden, Julian D.

2014 19.6135 Ecology, management, and conservation implications of North American beaver (*Castor canadensis*) in dryland streams. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 24(3) (June): 391-409.

► Grand Canyon noted, pp. 396, 401, 402.

Githens, Thomas S.

1935 19.2972 Studies on the venoms of North American pit vipers. *Journal of Immunology*, 29(2) (August): 165-173.

► Includes Grand Canyon rattlesnake.

Glover, Anna, AND Hamilton, Kristen

2020 19.6545 Then and now; flora and fauna. *In:* Scott, Annie, and Snow, Eleanor, The 150th anniversary of the 1869 Powell Expedition; USGS participation in the Sesquicentennial Colorado River Exploring Expedition and reflections from the ~1,000-mile journey down the Green and Colorado Rivers. *U.S. Geological Survey, Circular 1475*, pp. 38-39.

Goigel, Monica, AND Bratton, Susan

1983 19.6758 Exotics in the parks; feral goats and hogs, African iceplants, and other exotics are invading our national parks. *National Parks*, 57(1/2) (January/February): 24-29.

► Article begins with full page photo (p. 24), "Helicopter airlifts burro from Grand Canyon National Park" (credited to Robert Caputo), and brief text (p. 25) pertaining to removal of nonnative burros from Grand Canyon by river raft.

Goldenberg, Julianne R.

2013 19.5280 *Multilocus species delimitation and species tree inference within the western rattlesnake (*Crotalus viridis*) species complex.* Master's thesis, San Diego State University, 81 pp.

► Includes *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Goldman, Edward A.

1910 19.3479 Revision of the wood rats of the genus *Neotoma*. *U.S. Department of Agriculture, Bureau of Biological Survey, North American Fauna*, (31), 124 pp., 8 Plates.

► See: *Neotoma mexicana* Baird, pp. 54-56, Plate 4, figures 3, 3a
Neotoma mexicana pinetorum Merriam, pp. 58-59, Plate 4, figures 5, 5a
Neotoma desertorum Merriam, pp. 76-78, Plate 6, figures 4, 4a
Neotoma cinerea (Ord), pp. 95-98, Plate 8, figures 1, 1a.
Neotoma cinerea arizonae Merriam, p. 106, Plate 8, figures 5, 5a.

1923 19.4659 The deer of the Grand Canyon National Game preserve. *Washington Academy of Sciences, Journal* (Washington, D.C.), 13(16): 374.

1924 19.5276 Two new kangaroo rats from Arizona. *Washington Academy of Sciences, Journal* (Washington, D.C.), 14(15) (September 19): 372-373.

► *Dipodomys microps celsus*, new subspecies, type from "6 miles north of Wolf Hole, Arizona"
D. ordii cupidineus, new subspecies, type from "Kanab Wash, at southern boundary of Kaibab Indian Reservation, Arizona."

1926 19.5043 Surplus game—A problem in administration. *American Game*, (April): 28-31.

► Features Kaibab Plateau deer.

1926 19.4660 Over-browsing by Kaibab deer. *Washington Academy of Sciences, Journal* (Washington, D.C.), 16(4): 101.

1928 19.637 The Kaibab or white-tailed squirrel. *Journal of Mammalogy*, 9(2) (May): 127-129.

1929 19.638 A new antelope squirrel from Arizona. *Washington Academy of Sciences, Journal* (Washington, D.C.), 19: 435-436.

► *Ammospermophilus leucurus tersus*, new subspecies; type [and paratypes] from "lower end of Prospect Valley [Prospect Canyon], Grand Canyon, Hualpai Indian Reservation [Hualapai Indian Reservation]." Also includes notes of similar specimens from Indian Garden.

1932 19.6129 A new beaver from Arizona. *Journal of Mammalogy*, 13(3) (August): 266-267.

► *Castor canadensis repentinus*, new subspecies; Colorado River beaver; holotype adult female and topotype adult female from Bright Angel Creek, "collected by Clarence Birdseye, September 14, 1909"; "None are known from the Colorado River in that vicinity . . . ." Other, non-type specimens examined are two skulls from "Yuma (15 miles south)" (no further information on locality).

1932 19.2407 Mountain lion, puma or couger. *In:* Gray, Prentiss N. (ed.), *Records of North American big game : published under the auspices of the National Collection of Heads and Horns, New York Zoological Society : a book of the Boone and Crockett Club.* New York: Derrydale Press, pp. 161-169.

► See p. 168.

1937 19.3274 A new canyon mouse of the genus *Peromyscus* from Arizona. *Journal of Mammalogy*, 18(1) (February): 92-93.

► *Peromyscus crinitus peridoneus*, new subspecies (Grand Canyon mouse).

1937 19.639 The Colorado River as a barrier in mammalian distribution. *Journal of Mammalogy*, 18(4) (November): 427-435.

1938 19.5285 New pocket gophers of the genus *Thomomys* from Arizona and Utah. *Washington Academy of Sciences, Journal* (Washington, D.C.), 28(7) (July): 333-343.

► See: *Thomomys fossor kaibabensis*, new subspecies, from DeMotte Park, Kaibab Plateau (pp. 333-334)

Thomomys bottae nicholi, new subspecies, from "Shivwits Plateau region, on the terrace between the Hurricane Ledge and Grand Wash Cliffs, north of the Grand Canyon" (pp. 337-338).

1938 19.4661 Notes on the voles of the *Microtus longicaudus* group. *Journal of Mammalogy*, 19(4) (November): 491-492.

► Includes Kaibab Plateau.

Goldman, Edward A., AND Locke, S. B.

1923 19.640 The mountain of twenty thousand deer. *American Forestry*, 29: 649-653, 682.

► Kaibab Plateau.

Gooch, Bob

2004 19.2883 *The ultimate guide to squirrel hunting : everything you need to know to hunt this popular game animal.* Guilford, Connecticut: Lyons Press, 198 pp.

► See "The Abert Squirrel", pp. 7-8.

Goodwin, T. R.

1949 19.4140 Wild burro vs. mountain sheep. *In:* Letters [SECTION]. *Desert Magazine*, 13(1) (November): 30.

► Letter in response to Randall Henderson's column in the October issue, which pertained to Death Valley. Goodwin's letter notes: "The decision by the National Park Service to attempt to hold the number of burros to a point where they would not threaten the sheep is far from being a new angle. Grand Canyon had to face it a number of years ago and carried on a very quiet campaign with the permission of all Human Societies and Wildlife experts and while I do not have the number of burros that were actually done away with, I know it ran into considerable figures. Lake Mead is faced with the same problem at this time." (ENTIRE NOTE)

Grace, Roy

____ 19.3966 Speechless; dreams meet reality in the Arizona Strip. *Eastmans' Bowhunting Journal*, _____, pp. 24-28.

► Report of a 2008 guided mule-deer hunting trip. [Cited from a reproduction lacking date of publication, and not otherwise located.

[Grand Canyon Private Boaters Association], *gcpba Newswire*

1998 19.661 gcpba Newswire cows, copters and cold. *The Waiting List* (Grand Canyon Private Boaters Association), 2(2) (May): 21.

► Cattle sighting at Rampart Cave. Originally distributed electronically via *gcpba Newswire*.

Grand Canyon Trust

2025 19.7009 Harnessing people power through volunteering. *In:* 2024 Impact Report; a look at major milestones from 2024. *Colorado Plateau Advocate*, (Spring/Summer): 40-41.

► Projects noted include fence reconstruction in House Rock Valley to allow pronghorn movements.

Grand Canyon Wolf Recovery Project

NO DATE 19.6529 *Restoring the balance : Grand Canyon Wolf Recovery Project.* Flagstaff, Arizona: Grand Canyon Wolf Recovery Project, folded brochure. [2010.]

2018 19.6530 *Restoring the balance : bring back the wolf!* Flagstaff, Arizona: Grand Canyon Wolf Recovery Project, folded brochure.

Grater, Russell K.

1934 19.667 When enemies meet. *Grand Canyon Nature Notes*, 9(7 [*sic*, 6]) (September): 322.

► San Francisco Mountain wood rat and Arizona gopher snake in cage.

1934 19.5083 A curious collection. *Grand Canyon Nature Notes*, 9(7) (October):.

► Contents of a packrat nest near the Wayside Museum of Archaeology (Tusayan Ruin Museum), including "2 types of beans (evidently a part of the archaeological display in the museum)".

1935 19.676 Status of the American pronghorn antelope in Grand Canyon region. *Grand Canyon Nature Notes*, 9(12): 383-388.

1938 19.682 The Grand Canyon rattlesnake; a remarkable environmental product. *Nature Magazine*, 31(8) (October): 471-472.

Graves, Henry S.

1911 19.3499 *Report of the Forester for 1911.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 58: On the Grand Canyon National Game Preserve "all species of game animals and birds multiplied encouragingly." (ENTIRE NOTE)

1912 19.3500 *Report of the Forester for 1912.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See pp. 67-68: Notice of increases in animal populations on Grand Canyon Game Preserve. "No attempt has been made to stock the Grand Canyon game refuge with introduced species, and the only game animals within the refuge are those indigenous to the locality, which have multiplied encouragingly." (p. 68) (ENTIRE NOTE)

1913 19.3501 *Report of the Forester for 1913.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 38: "On the Grand Canyon game refuge the deer and birds native to the region have multiplied in such numbers that the success of the preserve is assured." (ENTIRE NOTE)

1914 19.3502 *Report of the Forester for 1914.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 10, note of contract sale of 1,000,000,000 [board] feet of western yellow pine on the Kaibab

National Forest. See p. 23: "The deer within the Grand Canyon Game Refuge have increased, it is estimated, to 10,000 in number as the result of the active campaign against their natural enemies, the mountain lion and bobcat, together with the almost complete prevention of hunting. There has been a corresponding gain in other species indigenous to the region." (ENTIRE NOTE)

Green, Keith

2014 19.4408 (WITH Tom Martin) Park to prepare EIS/Bison Management Plan. *The Bulletin* (Grand Canyon Historical Society), 18(3) (May/June): 1-2. [Environmental Impact Statement.]

2017 19.5452 NPS floats initial bison herd reduction Environmental Assessment. *The Bulletin* (Grand Canyon Historical Society), 21(2) (Spring): 3.

► Accompanied by announcement, "North Rim Bison Monitoring Outings".

Green, Larry

1975 19.3452 Best hunting hotspots in the West; Alaska, California, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming. *Field and Stream*, 80(5) (September): 48-53.

► Includes notice of Kaibab Plateau.

Greer, Amy L., AND Collins, James P.

2007 19.2966 Habitat fragmentation as a result of biotic and abiotic factors controls pathogen transmission throughout a host population. *Journal of Animal Ecology*, 77(2) (March): 364-369.

► Includes Ranavirus in tiger salamanders, Kaibab Plateau.

Greer, Amy L.; Brunner, J. L.; AND Collins, James P.

2009 19.3012 Spatial and temporal patterns of *Ambystoma tigrinum* virus (ATV) prevalence in tiger salamanders *Abystoma triginum nebulosum*. *Diseases of Aquatic Organisms*, 85(1) (May): 1-6.

Grinder, Martha I.; Krausman, Paul R.; AND Hoffmann, Robert S.

2006 19.4920 *Equus asinus*. *Mammalian Species*, (794), 9 pp.

► Grand Canyon feral populations noted, p. 4.

Grinnell, George B.

1924 19.691 The starving deer of the Kaibab Forest. *The Outlook* (New York), 136: 186-187.

1928 19.692 Mountain sheep. *Journal of Mammalogy*, 9 (February): 1-9.

Grigione, Melissa; Scoville, Alison; Scoville, Gerald; AND Crooks, Kevin

2007 19.2894 Neotropical cats in southeast Arizona and surrounding areas: Past and present status of jaguars, ocelots and juaguarundis. *Mastozoología Neotropical* (Argentina), 14(2): 189-199.

▶ Grand Canyon jaguars noted, p. 192.

Gritten, David

1981 19.695 Sure it was donkey work but Cleveland Amory and his crew saved the Grand Canyon burros. *People*, 15(13) (April 6): 42-43.

Grodziński, Zygmunt

1959 19.6236 Stulecie Darwinowskiej „walki o byt". *Wszechświat* (Polskie Towarzystwo Przyrodników im. Kopernika, Kraków), 1959(9)(1901) (September): 227-232. [In Polish.]

▶ Kaibab deer herd, see pp. 228-229.

Guse, Neal G., Jr.

1974 19.696 Colorado River bighorn sheep survey. *Plateau*, 46: 135-138.

H

Hadley, Diana

2008 19.6136 Why we have jaguars in Mexico and not in the United States. *Sonorensis* (Arizona-Sonora Desert Museum, Tucson), (Winter): 26-31.

▶ Includes note of Grand Canyon sightings in 1889 and 1900 (p. 28).

Hahn, Martha

2013 19.5427 Moving forward collarobatively [*sic*] to address bison management in the Grand Canyon region [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 69.

Hall, E. Raymond, AND Davis, William B.

1934 19.2193 Notes on Arizona rodents. *Biological Society of Washington, Proceedings* (Washington, D.C.), 47(5): 51-56.

▶ Includes *Thomomys bottae trumbullensis*, new subspecies, from "three miles south of Nixon Spring, Mt. Trumbull".

Hall, Jeffery O.

2010 19.6391 Common vitamin and mineral deficiencies in AZ Strip and So. Utah. *In: 32nd Annual Range Livestock Workshops : Arizona/Utah : Frontier Movie Town/Kanab, UT—April 6, 2010; Washington County Fairgrounds/Hurricane, UT—April 7, 2010; tour/Atkin'* [sic] *Ranch—April 8, 2010*, pp. 28-33.

▶ Animal husbandry.

Hall, Joseph G.

1967 19.702 White tails and yellow pines. *National Parks Magazine*, 41(235) (April): 9-11.

▶ Kaibab squirrel and ponderosa pine.

1968 19.703 Spotted skunk on Shiva Temple in Grand Canyon. *Plateau*, 40(3): 97-100.

1978 19.2330 White tails go with yellow pines. *Grand Canyon Guide*, 2(9) (July 16-29): 1, 3.

1979 19.704 Biology of the Kaibab squirrel. *National Geographic Society, Research Reports, 1970 Projects*, pp. 223-230.

1981 19.705 A field study of the Kaibab squirrel in Grand Canyon National Park. *Wildlife Monographs*, (75), 54 pp.

1998 19.706 *Linea : portrait of a Kaibab squirrel : with sketches of other wildlife on the North Rim of Grand Canyon.* [No imprint] (Pyramid Printing, Grand Junction, Colorado), 56 pp.

2002 19.2258 Biological diversity. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 6.

▶ Includes note of Kaibab squirrel habitat.

Hall, Margaret

1977 19.2331 Elusive native of the Canyon Country—the Kaibab squirrel. *Discovery* (Marion, Indiana), 7(5) (October 2): 6-7.

Hallowell, Edward

1853 19.707 Reptiles. *From:* Woodhouse, Samuel Washington, Report of the natural history of the country passed over by the exploring expedition . . . . *In:* Sitgreaves, L., Report of an expedition down the Zuni and Colorado Rivers. *U.S. 32nd Congress, 2nd Session, Senate Executive Document 59*, pp. 106-147.

▶ Historical. Principally extralimital to this bibliography.

Hamilton, Warren

1978 19.3261 [Letter.] *From:* Bullets for Burros? *In:* Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9-10.

▶ In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Hamm, Paris S.; Caimi, Nicole A.; Northup, Diana E.; Valdez, Ernest W.; Buecher, Debbie C.; Dunlap, Christopher A.; Labeda, David P.; Lueschow, Shiloh; AND Porras-Alfaro, Andrea

2017 19.5568 Western bats as a reservoir of novel *Streptomyces* species with antifungal activity. *Applied and Environmental Microbiology*, 83: e03057-16, doi:10.1128/AEM.03057-16, 10 pp. + Supplemental Material online, http://aem.asm.org/content/83/5/e03057-16/suppl/DCSupplemental (Figures S1, S2 [illustrations]; Table S1, "Descripition of bat microflora tested against *P. destructens*"; and Table S2, "GenBank accession numbers for housekeeping gene sequences form bat- and bat cave-associated *Streptomyces* strains".

► Bat-sampling locales include Grand Canyon-Parashant National Monument.

Hanna, James L.

1979 19.3264 [Letter.] *From:* Burros or Mules to Blame? *In:* Letters [SECTION]. *Backpacker*, 7(2) (April/May) (32): 15.

► In response to a letter by Charles A. Endicott (6(6) (30)), regarding the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Hannemann, Michael [Hannemann, Mike]

2013 19.5428 The history of bison management in the Grand Canyon [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 69.

Hansen, Richard M.

1974 19.712 Dietary of the chuckwalla, *Sauromalus obesus*, determined by dung analysis. *Herpetologica*, 30: 120-123.

Hansen, Richard M., AND Martin, Paul S.

1973 19.715 Ungulate diets in the lower Grand Canyon. *Journal of Range Management*, 26: 380-381.

Hansen, Richard M.; Johnson, Mark K.; AND Van Devender, Thomas R.

1976 19.713 Foods of the desert tortoise, *Gopherus agassizii*, in Arizona and Utah. *Herpetologica*, 32: 247-251.

1977 19.714 *A study of the plant taxa in the diets of non-native burros of the Tonto Plateau, south side of the Colorado River, Grand Canyon National Park, Arizona. Final report.* Colorado State University, Range Science Department, 17 pp.

Hardy, Ross

1945 19.3560 The influence of types of soil upon the local distribution of some mammals in southwestern Utah. *Ecological Monographs*, 15(1) (January): 71-108.

► Includes notes on Arizona Strip.

1949 19.5653 Notes on mammals from Arizona, Nevada, and Utah. *Journal of Mammalogy*, 30(4) (November): 434-435.

► Includes note on the kangaroo rat, *Dipodomys microps leucotis* Goldman from "six miles west of the Colorado River Bridge [Navajo Bridge], Houserock Valley", that specimens have now been taken on the east side of the bridge, indicting that the species may have taken the opportunity to cross over the bridge.

Harlow, Abbie

2017 19.5517 *"The burro evil": The eradication of feral burros in Grand Canyon National Park.* Master's thesis, University of Oklahoma, 100 pp.

2019 19.6383 "The burro evil": The removal of feral burros from Grand Canyon National Park, 1924-1983. *In:* Pearson, Byron E. (guest ed.), Grand Canyon National Park at 100. *Journal of Arizona History*, 60(4) (Winter): 437-457.

Harroy, Jean-Paul

1958 19.5165 ¿Malhechores o aliados del hombre? *El Correo* (*El Correo de la UNESCO*) (Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura, Paris), 2(1) (January): 24-26. [Table of contents (p. 3) provides subtitle, "Rehabilitación de los animales dañinos"; p. 26 adds banner, "¿Animales dañinos? Piénselo bien antes de destruirlos."] [In Spanish.]

► See p. 26, brief note of Kaibab Plateau wolves and pumas.

Hartson, Tamara

1999 19.2042 *Squirrels of the West.* Renton, Washington; Edmonton, Alberta; and Vancouver, British Columbia: Lone Pine Publishing, 160 pp. [Also the 3rd printing seen (no separate date) with places of publication as Edmonton, Alberta, and Auburn, Washington.]

Hastings, Barbara *see also* McKee, Barbara H.

1929 19.728 The chuckwalla. *Grand Canyon Nature Notes*, 3(9) (May 31): 2.

1929 19.729 Lady Hecate. *Grand Canyon Nature Notes*, 3(10) (June 30): cover, 2-3.

► A pet red bat, *Myotis californicus*, at Phantom Ranch.

1994 19.732 The chuckwalla. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 87.

► Reprinted from *Grand Canyon Nature Notes*, May, 1929.

1994 19.733 Lady Hecate. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 125.

► Reprinted from *Grand Canyon Nature Notes*, June, 1929.

Haufler, Christopher H., AND Alexander, Helen M.

2001 19.2979 Species and speciation: Introduction, discussion, and example. *Kansas Association of Biology Teachers Newsletter*, 42(1) (March): 1-4.

► Includes note of Kaibab squirrel, p. 3.

Haughland, D. L.; Larsen, K. W.; AND Wheatley, M.

2008 19.2925 The importance of radio-telemetry in arboreal squirrel research. *Current Science*, 95(7) (October 10): 912-917.

Hayes, William K., AND Mackessy, Stephen P.

2010 19.3991 Sensationalistic journalism and tales of snakebite: Are rattlesnakes rapidly evolving more toxic venom? *Wilderness and Environmental Medicine*, 21: 35-45.

► Native rattlesnakes of southwestern United States, including Grand Canyon rattlesnake, *Crotalus oreganus abyssus*.

Haywood, Dennis D.

1987 19.4740 *Migration patterns and habitat utilization by Kaibab mule deer : a final report.* [Phoenix]: Arizona Game and Fish Department, Research Branch, 35, [4] pp. (Federal Aid in Wildlife Restoration Project W-78-R, Work Plan 2, Job 18, July 1, 1977 to June 30, 1985.)

1989 19.3669 Application of GIS toward evaluation of habitat selection by Kaibab mule deer. *In:* Winn, David S., Beverly, Roberta E., and Moore, Glenda W. (compilers, eds.), *Proceedings from the Geographic Information Systems Awareness Seminar, Salt Lake City, Utah, May 16-19, 1988.* [No place]: U.S. Forest Service, Intermountain Region, pp. 32-36.

Heavenrich, Charly

2003 19.4165 [Letter.] *In:* Letters to the Editors [SECTION]. *Pine Brook Press* (Pine Brooks Hills Homeowners Association, Boulder, Colorado), (Winter): 9.

► Reply to an article about feeding deer. Author notes his work as Grand Canyon river guide and mule deer population at Phantom Ranch.

2005 19.2610 Snake dance. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 7(2) (Winter): 40-41.

► Grand Canyon Rattlesnake mating.

Hediger, Heini

1971 19.3418 Die Tierwelt. *In:* Heiniger, Ernst A., *Grand Canyon : Natur und Tierwelt in 157 Farbaufnahmen.* Bern, Switzerland: Kümmerly and Frey Geographischer Verlag; and München, Bern, and Wien: BLV Verlagsgesellschaft, pp. 165-187. [In German.]

1973 19.3416 Faune. *In:* Heiniger, Ernst A., *Grand Canyon du Colorado : suite pour nature et faune en 157 images.* (Pierre Champendal, translator.) Paris: Elsevier Séquoia, pp. 165-220. [In French; translated from German.]

1975 19.742 Fauna. *In:* Heiniger, Ernst A., *Grand Canyon.* (Ewald Osers, translator.) Washington, D.C., and New York: Robert B. Luce Co., Inc., pp. 161-216. [In English; translated from German.]

Heffelfinger, Jim [Heffelfinger, James R.]

2006 19.4745 *Deer of the Southwest : a complete guide to the natural history, biology, and management of southwestern mule deer and white-tailed deer.* College Station, Texas: Texas A&M University Press, 282 pp.

2014 19.5345 Kaibab Plateau: The history of the country's most famous deer herd (part 1). *Mule Deer* (Mule Deer Foundation), (May/June): 14-17.

2014 19.5346 Kaibab Plateau: (Part 2) Transition from quantity to quality. *Mule Deer* (Mule Deer Foundation), (July/August): 8-11.

Heffelfinger, Jim, AND Webb, Paul

2012 19.5640 Arizona's deer translocations. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 271-287.

Heffelfinger, James R.; Olding, Ronald J.; Noon, Ted H.; Shupe, Mark R.; AND Betzer, Dana P.

1999 19.5348 Copper/selenium levels and occurrence of bluetonge virus in Arizona pronghorn. *In:* Ockenfels, Richard A. (ed.), *Proceedings of the 18th Biennial Pronghorn Antelope Workshop*, pp. 32-42.

► Study areas include both sides of Grand Canyon, excluding the Hualapai Indian Reservation.

Hejna, David; Tobin, Benjamin W.; AND Stroud-Settles, Janice

2015 19.5203 Modeling cave temperature to prioritize the assessment of over-winter cave use by bats in Grand Canyon National Park. *In: National Cave and Karst Management Symposium : proceedings of the Twenty First Conference : Hidden Landscapes—Hidden Challenges : October 19 through 23, 2015, Cave City, Kentucky*, pp. 74-76.

Helgeson

2015 19.5716 It all worked out! JoAnn Helgeson. *Muley Crazy* (Kanab, Utah), (April): 1-2.

► Mule deer hunting on Arizona Strip. Written in the first person by JoAnn Helgeson's husband.

Hellenthal, Ronald A., AND Price, Roger D.

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Herder, Michael J., AND Jackson, Jennifer G.

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► See p. 86, under "Transfers": "Two young pumas or mountain lions from the Kaibab Forest, Utah, through Mr. George E. Holman . . . ." (ENTIRE NOTE)

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Honeycutt, Rodney L.; Moulton, Michael P.; Roppe, Jerry R.; AND Fifield, Lynn

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Hooper, Emmet T.

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► See p. 71: "Arizona: Grand Canyon Game Preserve—C. J. Jones"; and p. 73, "Buffalo-Domestic Hybrids, 'Cattaloes.'": "Arizona: Grand Canyon Game Preserve—C. J. Jones".

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► Item signed "W. T. H." See "The Cattalo", pp. 75-76; notes (p. 76) the grazing grounds of "Col. C. J. Jones ('Buffalo' Jones) "on the western side of the Grand Canyon of the Colorado" [*sic*].

1913 19.778 *Our vanishing wild life : its extermination and preservation.* New York: New York Zoological Society, 411 pp.

► See pp. 339 (map), and 343: "The Grand Canyon National Game Preserve of northern Arizona, embraces the entire Grand Canyon of the Colorado River, for a meandering distance of 101 miles, and adjacent territory to an extent of 2,333 square miles (1,492,928 acres). Owing to certain conditions, natural and otherwise, it is not the finest place in the world for the peaceful increase of wild game. The Canyon contains a few mountain sheep, and mule deer, but Buckskin Mountain, on the northwestern side, is reeking with mountain lions and gray wolves, and both those species should be shot out of the entire Grand Canyon National Forest. It was on Buckskin and the western wall of the Canyon itself that 'Buffalo' Jones, Mr. Charles S. Bird, and their party caught nine live mountain lions, in 1909. [¶]I regret to say that 'Buffalo' Jones's catalo experiment on the Kaibab Plateau seems to have met an untimely and disappointing fate. For three years the bison and domestic cattle crossed, and produced a number of cataloes; but in 1911, practically the whole lot was wiped off the earth by cattle rustlers! Mr. Jones thinks that it was guerrillas from southern Utah who murdered his enterprise, partly for the reason that no other persons were within striking distance of the herd." (ENTIRE NOTE)

Hoser, Raymond T.

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► See p. 7, *Sayersus*, new subgenus, including *Crotalus abyssus* Klauber.

2016 19.5237 New rattlesnakes in the *Crotalus viridis* Rafinesque, 1818 and the *Uropsophus triseriatus* Wagler, 1930 species groups (Squamata:Serpentes:Viperidae:Crotalinae). *Australasian Journal of Herpetology*, 33: 34-41.

► See p. 35, note from literature that *C. abyssus* Klauber "should at best be recognized as [a] subspecies of *C. viridus* Rafinesque".

Hoss, Kristen A.; Volz, Tiffany A.; AND Hooge, Janis

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► Aubrey Valley.

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1999 19.780 The great Kaibab deer drive. *Zane Grey Review* (Zane Grey's West Society), 14(2): 12-15.

Hould, Kimberly Ann

2006 19.2816 *Evaluation of nestedness in mammal and passerine bird communities in the American Southwest using Southwest regional Gap analysis habitat models.* Master's thesis, New Mexico State University, 82 pp.

Hoverman, Roger

2004 19.3930 Border to border for better habitat. *In:* New from North of the River, ADA Buckskin Chapter [SECTION]. *Deer Times* (Arizona Deer Association), (Summer): 10.

2005 19.3924 Hello from north of the river. *In:* ADA Chapter News, ADA Buckskin Chapter [SECTION]. *Deer Times* (Arizona Deer Association), (Fall): 14.

Howe, R. J.

2020 19.6490 Hand-winged dreams. *The Gulch* (Durango, Colorado), (13) (Summer): 34-41.

► Bats. See photos: "A rare, spotted bat (*Euderma maculatum*) flying at night in the Kaibab National Forest, Arizona. (1.5 miles from the rim of the Grand Canyon). This lactating female was later tracked 17 miles back to her day roost in a crevice on the verical face of a canyon wall in Grand Canyon National Park. It is likely she had a pup waiting to feed upon her return after a night's hunting." (p. 37, photo by Michael Durham); "Mexican free-tailed bats have occupied this cave in the Grand Canyon for the past 12,000 years. Here, a research carefully moves through total darkness into a heavily populated area." (pp. 40-41, photo by Stephen Eginoire).

Howe, Steve

1993 19.4613 Counting sheep; the National Park Service works to reintroduce bighorn to their historic range. *National Parks*, (March/April): 24-29.

► Southwest in general, noting Grand Canyon.

Howell, Arthur H.

1938 19.787 Revision of the North American ground squirrels; with a classification of the North American Sciuridae. *U.S. Department of Agriculture, Bureau of Biological Survey, North American Fauna*, (56), 256 pp., 32 plates.

Hualapai Tribe, Department of Natural Resources; AND Stevens Ecological Consulting, LLC

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2013 19.5432 The application of zooarchaeology to the reconstruction of historic range distributions of Grand Canyon fauna [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 74.

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1970 19.794 Response of Kaibab mule deer to management of summer range. *Journal of Wildlife Management*, 34: 852-862.

Hunt, Erin

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► *Crotalus oreganus abyssus*.

Hunter, Gilbert N., AND Yeager, Lee E.

1956 19.795 Management of the mule deer. *In:* Taylor, Walter P. (ed.), *The deer of North America : the white-tailed, mule and black-tailed deer, genus* Odocoileus *: the history and management.* Harrisburg, Pennsylvania: Stackpole Co., and Washington, D.C.: Wildlife Management Institute, pp. 449-482.

► See p. 471.

J

Jack, Cameron; Taylor, John R.; Bornemeier, Andrea; AND VanAlfen, Amber

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► See p. 206, notice of presentation: "Deer of the Grand Canyon Game Preserve, Arizona. E. A. Goldman. Twenty minutes. Lantern slides." (ENTIRE NOTE)

Jaenicke, Joachim

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► See No. 65 (pp. 234-236), "Weißwedelhirsche auf dem Kaibab-Plateau" (White-tailed deer on the Kaibab Plateau).

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► Hunting.

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► Includes data from North Rim, Grand Canyon.

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Jannik, G. Timothy; Minter, Kelsey M.; Hinck, Jo Ellen; Cleveland, Daneille; AND Kuhne, Wendy W.

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Jeon, Dae-Uk, AND Kim, Doa-Hoon [전대욱; 김도훈]

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Jett, Stephen C.

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Johnson, Don

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Johnson, Mark K., AND Hansen, R. M.

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Johnson, Steven S.

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Jones, Clyde, AND Hildreth, Nancy J.

1989 19.3919 *Neotoma stephensi. Mammalian Species* (328), 3 pp.

Jones, Clyde; Clemmer, Glenn H.; Suttkus, Royal D.; AND Curnow, Richard D.

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Jones, J. K., Jr.; Carter, D. C.; AND Genoways, H. H.

1979 19.828 Revised checklist of North American mammals north of Mexico, 1979. *Texas Tech University Museum, Occasional Papers*, (62), 17 pp.

Jones, Stephen B.

1929 19.830 Horned toads. *Grand Canyon Nature Notes*, 4(1) (September 30): cover, 1-2.

1929 19.831 The elusive Sceloporus. *Grand Canyon Nature Notes*, 4(2) (October 31): 12-13.

► Lizard.

1929 19.832 A horned toad. *Grand Canyon Nature Notes*, 4(2): 14.

1929 19.833 "Porky". *Grand Canyon Nature Notes*, 4(3) (November 30): 19-21 and illustration on p. 22.

► "Grace", a pet porcupine at Grand Canyon Lodge.

1930 19.835 Climbing deer. *Grand Canyon Nature Notes*, 4(5) (March): 32.

► North Rim observation.

1994 19.838 Horned toads. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 84-85.

► Reprinted from *Grand Canyon Nature Notes*, September, 1929.

Jones, Taylor

2016 19.4906 *Report from the burrow : forecast of the prairie dog 2016.* Denver: WildEarth Guardians.

► See p. 20, "Kaibab National Forest". Notes prairie dog survey on the Williams and Tusayan Ranger Districts in 2014.

Jones, Thomas Richard

1989 19.840 *The evolution of macrogeographic and microgeographic variation in the tiger salamander,* Amystoma tigrinum *(Green).* Doctoral dissertation, Arizona State University, 187 pp.

Joost, Kalen

2014 19.5711 Buck-of-a-lifetime. *Huntin' Fool* (Cedar City, Utah), (December): cover, 62-64.

► Mule deer hunting, Arizona Strip, Area 13B.

Jordan, James W.; Ruffner, George A.; Carothers, Steven W.; Phillips, Arthur M., III; AND Colton, Harold S.

NO DATE 19.847 Summer diets of feral burros (*Equus asinus*) in Grand Canyon National Park, Arizona. *Symposium on the Ecology and Behavior of Wild and Feral Equids : University of Wyoming, Laramie, September 6-8, 1979*, pp. 15-22. [1980-1982.]

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Julander, Odell, AND Low, Jessop B.

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► Study areas include Kanab Creek, Arizona.

K

Kamler, Jan F.; Lee, Raymond M.; deVos, James C., Jr.; Ballard, Warren B.; AND Whitlaw, Heather A.

2003 19.2369 Mortalities from climbing accidents of translocated bighorn sheep in Arizona. *Southwestern Naturalist*, 48(1) (March): 145-147.

Kania, Alan J.

1981 19.851 Reprieve for Brighty. *Desert Magazine*, 44(4) (May): 50-52.

► Grand Canyon feral burros.

Katalevskiy, Dmitriy Yur'yevich [Каталевский, Дмитрий Юрьевич]

2015 19.6238 *Основы имитационного моделирования и системного анализа в управлении : учебное пособие* [Osnovy imitatsionnogo modelirovaniya i sistemnogo analiza v

upravlenii : uchebnoye posobiye] [Fundamentals of simulation modeling and systems analysis in management : tutorial]. Москва: Издательский дом «Дело» [Moskva: Izdatel'skiy dom «Delo»] [Moscow: "Delo" Publishing House], 2nd ed., revised and supplemented, 496 pp. [In Russian.]

▶ With notation, "Данный кейс адаптирован из кейса Deers [*sic*] of Kaibab Plateau, преподаваемого на магистерской программе по управлению N. Rockefeller College of Public Affairs and Policy Университета штата Нью-Йорк в г. Олбани, США" [in mixed Cyrillic and Roman orthography, thus]. [This case is adapted from the Deer of Kaibab Plateau case, taught at the N. Rockefeller College of Public Affairs and Policy University of New York, Albany, USA.]

▶ See "Кейс для самостоятельной работы № 1. Поголовье чернохвостого оленя с плато Кайбаб: моделирование ситуации из жизни" [Keys dlya samostoyatel'noy raboty № 1. Pogolov'ye chernokhvostogo olenya s plato Kaybab: modelirovaniye situatsii iz zhizni] [Independent work case no. 1. Black-tailed deer herd from Kaibab Plateau: Life simulation] (pp. 131-133).

Kato, Aki

2007 19.5050 *A system model for white-tailed deer population management in northeastern Washington.* Master's thesis, Washington State University, 55 pp.

▶ Includes Kaibab Plateau mule deer.

Kauffman, Matthew; Copeland, Holly; Berg, Jodi; Bergen, Scott; Cole, Eric; Cuzzocreo, Matthew; Dewey, Sarah; Fattebert, Julien; Gagnon, Jeff; Gelzer, Emily; Geremia, Chris; Graves, Tabitha; Hersey, Kent; Hurley, Mark; Kaiser, Rusty; Meacham, James; Merkle, Jerod; Middleton, Arthur; Nuñez, Tristan; Oates, Brendan; Olson, Daniel; Olson, Lucas, Sawyer, Hall; Schroder, Cody; Sprague, Scott; Steingisser, Alethea; AND Thonhoff, Mark

2020 19.6522 Ungulate migrations of the western Untied States, Volume 1. *U.S. Geological Survey, Scientific Investigations Report 2020-5101*, 119 pp. + USGS Data Release at https://www.sciencebase.gov/catalog/item/5f80c88d82cebef40f0fefc5.

▶ See "Arizona Mule Deer; Kaibab North Mule Deer Migration Corridors" (pp. 6-7), which includes corridor in Grand Canyon National Park; and "Arizona Mule Deer; San Francisco Peaks Mule Deer Migration Corridors" (pp. 8-9), which includes corridors on Coconino Plateau to north of Tusayan.

Kavanagh, James

1996 19.853 (ED.) *The nature of Arizona : an introduction to common plants and animals and natural attractions.* Minneapolis, Minnesota: Waterford Press, 175 pp.

Kavanagh, James, AND Leung, Raymond

1999 19.854 *Field guide to the Grand Canyon : an introduction to familiar plants and animals.* (Geology text by L. Greer Price; researched by Sara Stebbins; illustrated by Raymond Leung.) [Grand Canyon, Arizona]: Grand Canyon Association, 6-panel card, folded and laminated. (Pocket Naturalist® series, copyright Waterford Press, Ltd.)

2017 19.5552 *Field guide to the Grand Canyon : a folding pocket guide to familiar plants and animals.* [No place]: Waterford Press, Inc., 2nd ed., 6-panel card, folded and laminated. (Pocket Naturalist® series.)

▶ Author and illustrator indicated only on spine fold, as "Kavanagh/Leung".

Kay, Charles E.

2010 19.3850 The Kaibab deer incident: Myths, lies, and scientific fraud. *Muley Crazy* (Kanab, Utah), (January/February): 21-28.

► Mule deer.

2012 19.6393 Predation: Lies, myths, and scientific fraud. *In: 34th Annual Range Livestock Workshops, Arizona/Utah : April 10, 2012, Hurricane UT, Washington County Fairgrounds; April 11, 2012, Kanab, UT, Frontier Movie Town; April 12, 2012, tour*, pp. 58-61.

► Includes Kaibab Plateau.

Kearsley, Michael J. C.

2005 19.2881 *Summer 2004 resurveys of Kaibab squirrel plots on Walhalla Plateau, Grand Canyon National Park.* [Flagstaff, Arizona]: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, [11] pp.

Kearsley, Michael J., AND Hall, Joseph G.

2004 19.2824 *A reassessment of Kaibab squirrel activity and habitat quality on the Walhalla Plateau, Grand Canyon National Park.* Flagstaff, Arizona: Northern Arizona University, *for* Grand Canyon Monitoring and Science Center, [unpaginated]. (Draft final report.)

Keith, James O.

1956 19.862 *The Abert squirrel and its relationship to the forests of Arizona.* Master's thesis, University of Arizona.

1965 19.863 The Abert squirrel and its dependence on ponderosa pine. *Ecology*, 46: 150-163.

2003 19.2884 *The Abert's squirrel (*Sciurus aberti*): A technical conservation assessment.* U.S. Forest Service, Rocky Mountain Region, Species Conservation Project, 62 pp.

Keller, Christine

1978 19.3754 Feral animals in the United States—a growing problem. *Popular Mechanics*, 150(4) (October): 98.

► Includes note of Grand Canyon feral burros.

Kellogg, Remington

1956 19.864 What and where are the whitetails? *In:* Taylor, Walter P. (ed.), *The deer of North America : the white-tailed, mule and black-tailed deer, genus* Odocoileus *: the history and management.* Harrisburg, Pennsylvania: Stackpole Co., and Washington, D.C.: Wildlife Management Institute, pp. 31-55.

► See p. 32.

Kelson, Aaron R.

1999 19.5808 "A plea for the horse": George Q. Cannon's concern for animal welfare in nineteenth-century America. *Brigham Young University Studies*, 38(3): 46-61.

► See pp. 52-53, remarks on Kaibab Plateau.

Kendall, D.; Kendall, L.; Block, R.; AND Block, M.

1988 19.865 Small mammal populations within the Colorado River corridor. *In:* House, Dorothy A. (ed.), *Colorado River Investigations VII : July/August, 1988* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 95-100.

Kennedy, Jim

1997 19.3920 BCI's North American Bat Conservation Partnership: Cooperative aid for bat cave management. *In:* Stitt, Robert R. (ed.), *Proceedings of the 1997 Karst and Cave Management Symposium, 13th National Cave Management Symposium, Bellingham, Washington, and Chilliwack and Vancouver Island, BC, Canada, October 7-10, 1997*, pp. 98-108.

► Bat Conservation International. Stanton's Cave, pp. 99-100.

Kim, Ke Chung

1966 19.5289 The species of *Enderleinellus* (Anoplura, Hoplopleuridae) parisitic on the Sciurini and Tamiasciurini. *Journal of Parasitology*, 52(5) (October): 988-1024.

► See *Enderleinellus kaibabensis*, new species (pp. 1000-1002, 1022; figures 12 (p. 999, legend p. 998), 29 (p. 1001), 54-59 (p. 1005, legend p. 1004); types from "Kaibab National Forest, Arizona", specific locales not indicated but parasitic on *Sciurus kaibabensis* Merriam, thus Kaibab Plateau.

Kimball, Thomas L., AND Watkins, Allan G.

1951 19.869 *The Kaibab North cooperative deer-livestock forage relationship study.* Arizona Game and Fish Commission, 77 pp.

Kimberling, D. N.; Ferreira, A. R.; Shuster, S. M.; AND Keim, P.

1996 19.870 RAPD marker estimation of genetic structure among isolated northern leopard frog populations in the south-western USA. *Molecular Ecology*, 5: 521-529.

Kime, Kimberley A.; Van Pelt, William E.; AND Belitsky, David W.

1995 19.5545 The Hualapai Mexican vole in northwestern Arizona: 1990-1995 field investigations. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 75*, 24 pp.

► *Microtus mexicanus hualpaiensis*.

Klauber, Laurence M.

1930 19.875 New and renamed subspecies of *Crotalus confluentus* Say, with remarks on related species. *San Diego Society of Natural History, Transactions*, 6(3) (February 28): 95-144, Plates 9-12.

► See Grand Canyon Rattlesnake, *Crotalus confluentus abyssus*, new subspecies (pp. 114-117, Plate 11, figure 1 [legend on p. 142]). Type "Captured alive on the Tanner Trail 300 ft. below the south rim of the Grand Canyon, Coconino County, Arizona; altitude approximately 7000 ft. Collected Sept. 15, 1929, by E. D. McKee." Subspecies also studied on two other living specimens, from Roaring Springs power house and Grandview Trail, and ten other specimens from the South Rim and the inner canyon. See also Cochran (1961, ITEM NO. 19.6149), who provides data for paratypes in U.S. National Museum, from "Grand Canyon" and Shinumo Creek.

1935 19.876 A new subspecies of *Crotalus confluentus*, the prairie rattlesnake. *San Diego Society of Natural History, Transactions*, 8(13): 75-90, Plate 8.

► Type of the new subspecies is from Canyon Diablo (extralimital to this bibliography), but Grand Canyon region localities are mentioned for other species.

1936 19.877 A key to the rattlesnakes with summary of characteristics. *San Diego Society of Natural History, Transactions*, 8(20): 185-276.

1945 19.6111 The geckos of the genus *Coleonyx* with descriptions of new subspecies. *San Diego Society of Natural History, Transactions*, 10(11) (March 9): 133-216.

► See *Coleonyx variegatus variegatus* (Baird), p. 138 *ff.*; with extensive list of locality records (pp. 152-153) that include: "Toroweap Valley (south of Tuweep, Grand Canyon National Monument" and "Bright Angel Canyon, Grand Canyon National Park".

1972 19.3337 *Rattlesnakes : their habits, life histories, and influence on mankind. Volume I.* Berkeley and Los Angeles: University of California Press, *for* Zoological Society of San Diego, 2nd ed., 740 pp.

► Grand Canyon Rattlesnake, see pp. 50, 91, 415, 545, 633.

Klaus, Jay

1994 19.878 Jay Klaus' daily diary—1940; from the files. *In:* Carr, John N. (collector), *It was a rough road! . . . and other Arizona Game and Fish stories.* Phoenix: Heart Track Publications, pp. 13-21. [Ellipsis is part of title.]

► Arizona Game and Fish Department anecdotes. See p. 16; beaver.

Klymus, Katy E., AND Gerhardt, H. Carl

2012 19.3765 AFLP markers resolve intra-specific relationships and infer genetic structure among lineages of the canyon treefrog, *Hyla arenicolor*. *Molecular Phylogenetics and Evolution*, 65(2) (November): 654-667. [Amplified fragment length polymorphism.]

Klymus, Katy E.; Humfeld, S. C.; Marshall, V. T.; Cannatella, D.; AND Gerhardt, H. C.

2010 19.3350 Molecular patterns of differentiation in canyon treefrogs (*Hyla arenicolor*): Evidence for introgressive hybridization with the Arizona treefrog (*H. wrightorum*) and correlations with advertisement call differences. *Journal of Evolutionary Biology*, 23(7) (July): 1425-1435.

Knickerbocker, Margie, AND Knickerbocker, Hal

1988 19.880 A Grand Canyon mini-adventure. *Arizona Highways*, 64(9) (September): 12-15.

► Fight between rock squirrel and bull snake.

Knox, Shawn C.; Chambers, Carol; AND Germaine, Stephen S.

2001 19.2274 Habitat associations of the sagebrush lizard (*Sceloporus graciosus*): potential responses of an ectotherm to ponderosa pine forest restoration treatments. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 95-98.

► Study site in Grand Canyon-Parashant National Monument.

Koch, Glenn

2004 19.3931 Right place, right time. *Deer Times* (Arizona Deer Association), (Summer): 20-21.

► Arizona Strip mule deer hunting.

Koenig, Hans F.

2004 19.3836 The Utah mountain kingsnake (*Lamnpropeltis pyromelana infralabialis*) in Arizona (Tanner, 1953). *Sonoran Herpetologist* (Tucson Herpetological Society), 17(3): 29-30.

► Includes note of a specimen purportedly photographed at Jacob Lake, Arizona.

Kolb, Melita M.

1966 19.6785 *The mechanism and frequency of sickling of red blood cells in deer.* Master's thesis, University of Arizona, 23 pp.

► Blood from 209 mule deer and 55 white-tailed deer; collections include "133 specimens from the Kaibab Plateau in northern Arizona".

Kooser, Ara; Kimble, Jascon C.; Young, Jesse M.; Beucher, Debbie C.; Valdez, Ernest W.; Porras Alfara, Andrea; AND Northup, Diana E.

2015 19.4729 External microbiota of western United States bats: Does it matter where you are from? *bioRχiv* (The Preprint Server for Biology), (March 31), https://doi.org/10.1101/017319 + Data Supplement online (Excel file). [Includes Grand Canyon-Parashant National Monument.] [*bioRχiv* = "bio ar*chi*ve" (bio archive)]

Kraus, Paul

1933 19.884 An outrage. *Grand Canyon Nature Notes*, 8(8) (November): 209-210.

► Three chipmunks invade a pygmy nuthatch nest on the North Rim.

1933 19.5065 [Mountain sheep ram living on canyon rim near Havasupai Point.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.

Kremer, Stefan

2009 19.4591 Arizona: National Natural Landmark für das Kaibab squirrel. *Southwest Chronicle* (USA Reporter, Magazin über den Südwesten der USA, Stolberg, Germany), (January): 3. [In German.]

Kruidenier, Francis J., AND Mehra, Krishna N.

1958 19.5223 *Wellcomia perognathi* n. sp. (Nematoda: Oxyuridae) from pocket mice, *perognathus intermedius* (Merriam, 1889) of the Grand Canyon, Arizona. *Illinois State Academy of Science, Transactions*, 51(3/4) (July 10): 20-25.

► Type locality not indicated further than "Grand Canyon National Park".

1959 19.4327 *Aspiculuris ackerti*, n. sp, (Nematoda: Oxyruidae) from the wood rats of Arizona. *Helminthological Society, Proceedings*, 26(2) (July): 147-150.

► New species of nematode removed from neotimid rats examined during 1954 expedition to Grand Canyon. Refers to the collections of Kruidenier and Peebles (1958), but does not list the publication in the references (identified here as ITEM NO. 19.4328).

Kruidenier, Francis J., AND Peebles, C. R.

1957 19.4501 Nematodes in Grand Canyon rodents: *Syphacia*, *Gonglyonema* and *Rictularis* [ABSTRACT]. *In:* Program and Abstracts of the Thirty-second Annual Meeting of the American Society of Parasitologists, Philadelphia, Pennsylvania, October 30, 31, November 1, 2, 1957. *Journal of Parasitology*, 43(5, Section 2 (Supplement)) (October): 29.

1958 19.4328 *Gongylonema* of rodents: *G. neoplasticum* (redefinition); *G. dipodomysis* n. sp.; and *G. peromyski* n. sp. *American Microscopical Society, Transactions*, 77(3) (July): 307-315.

► See *Gongylonema peromysci*, new species, pp. 310-312, Plate 2, figures 1-6 (p. 313); holotypes [*sic*] from "Grand Canyon National Park, Coconimo [*sic*] County, Arizona", removed from "cricetic mice taken on the north and south rims of the Grand Canyon" (p. 314). See also additional study by Kruidenier and Mehra (1959, ITEM NO. 19.4327).

Kula, Naci

2000 19.6345 Kur'an işiginda insan-çevre ilişkisinin ruh sagligi açlsindan önemi. [The importance of human-environment relationship in terms of mental health in the light of the Qur'an.] *Uludağ Üniversitesi Ilâhiyat Fakültesi*, 9(9): 361-376. [In Turkish.]

► See p. 369, reference to and brief discussion of environmental balance of Kaibab deer (referred to, in translation here, as "a gazelle species called Kaibab in Arizona").

2011 19.6346 The principles of relationship between human and the environment in the Qur'an. *Hitit Üniversitesi İlahiyat Fakültesi Dergisi*, 2011(2), 10(20): 117-137. [In English, with abstract and title also in Turkish; "Kur'an'da Insan ve Çevre Ilişkisinin Prensipleri".]

► See pp. 128-129, reference to and brief discussion of environmental balance of "the family of antelope, called 'Kaibab', living in Arizona" (*i.e.*, Kaibab deer).

Kutter, Joe

2002 19.2329 Rendezvous with intrepid lizard. *Boatman's Quarterly Review*, 15(3) (Fall): 31.

L

Lachowicz, Joanna Izabela; Szczepski, Kacper; Scano, Alessandra; Casu, Cinzia; Fais, Sara; Orrù, Geramano; Pisano, Barbara; Piras, Monica; AND Jaremko, Mariusz

2020 19.6779 The best peptidomimetic strategies to undercover antibacterial peptides. *International Journal of Molecular Sciences*, 21 (7349) (doi:10.3390/ijms21197349), 45 pp.

► Includes note of "antibacterial Lys49 PLA2 toxin (CoaTx-II isolated from *Crotalus oreganus abyssus* snake venom)." (p. 11, with reference to Almeida *et al.*, 2018, ITEM NO. 19.6339).

Lack, David

1954 19.890 *The natural regulation of animal numbers.* Oxford: Clarendon Press, 343 pp.

► See pp. 121, 170-171. Kaibab deer.

Lamb, Trip; Jones, Thomas R.; AND Wettstein, Peter J.

1997 19.5955 Evolutionary genetics and phylogeography of tassel-eared squirrels (*Sciurus aberti*). *Journal of Mammalogy*, 78(1) (February): 117-133.

Langstaff, Larry G., AND Wides, Bernard

1988 19.899 Lizard density studies along the Colorado River in the Grand Canyon National Park. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 60-72.

1988 19.900 Distribution of beaver along the Colorado River in Grand Canyon National Park: Possible results from the high water flows of 1983. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 73-76.

Lankton, Julia S., AND Hinck, Jo Ellen

2017 19.5851 The use of pathology to assess tissue injury in wildlife associated with mining activity [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 91-92.

► "[S]urvey of wild mammals at breccia pipe uranium mines in the Grand Canyon watershed."

Lauckhart, J. Burton

1961 19.904 Predator management. *In: Western Association of State Game and Fish Commissioners, 41st Annual Conference, New Mexico*, pp. 85-88.

► Kaibab.

Laughery, Billy

1951 19.4152 When a lion roars. *In:* Letters [SECTION]. *Desert Magazine*, 14(14) (December): 21.

► Recounting an encounter with mountain lions "in the region between Grand Canyon and Dripping Springs Trail".

Lauzon, H. R. [Lauzon, Hubert "Bert" Raoul]

1929 19.906 Cougars on the South Rim of Grand Canyon. *Grand Canyon Nature Notes*, 4(4) (December 31): cover, 23-24.

1931 19.939 A strange combination. *Grand Canyon Nature Notes*, 5(4) (February): 38. [Author's name given as "Burt Luzon" (both misspelled).]

► Deer, rabbits. See also Brooks, 4(5) (March 1930): 31-32.

1994 19.907 Cougars on the South Rim of Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 143-144.

► Reprinted from *Grand Canyon Nature Notes*, December, 1929.

Lauzon, Hubert F. [Lauzon, Hubert Francis]

1990 19.5765 ["Pygmy horses" from Grand Canyon.] *Grand Canyon Pioneers Society* [newsletter], (February): 5. [*NOTE:* This issue predates the enumerated issues of the *Grand Canyon Pioneers Society Newsletter*.]

► Regarding the so-called "miniature horses" of Havasu Canyon.

Law, Raymond F.

1940 19.4124 Buffalo hunt in Arizona. *Desert Magazine*, 3(3) (January): 15-17.

► House Rock Valley.

Laws, R. E.

1934 19.5075 [Pronghorn antelope.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.

► "Three native American Pronghorn Antelope were seen at Buggeln Hill, South Rim, on April 12. They were very wild and loped off through the sagebrush toward the Canyon rim." (ENTIRE NOTE)

Laylock, George

1983 19.908 The biggest deer drive ever: Fifty-five cowboys on horseback and 70 Navajo braves on foot set out to drive 10,000 deer off the Kaibab, across the Grand Canyon, through the Colorado River and onto the South Rim. *Outdoor Life*, 172 (October): 60-61, 96-97.

Lederberg, Joshua

1975 19.3938 Kaibab deer myth. *BioScience*, 25(1) (January): 8.

► Letter in response to C. John Burk, "The Kaibab deer incident: a long-persisting myth", 23(2): 113-114 (1973, ITEM NO. 19.393).

Lee, Raymond M.

1997 19.3853 The Kaibab: The modern years. *In:* deVos, James C., Jr. (ed.), *Proceedings of the 1997 Deer/Elk Workshop, Rio Rico, Arizona.* [Phoenix]: Arizona Game and Fish Department, pp. 32-37.

► Kaibab deer.

Lemonick, Michael D.

1990 19.3810 Invasion of the habitat. *Time*, (September 10):.

► Invasive species. For Grand Canyon, notes tamarisk and former occupation by feral burros.

Leopold, Aldo

1933 19.2444 Game *management.* (Drawings by Allan Brooks.) New York and London: Charles Scribner's Sons, 481 pp.

1943 19.3910 Deer irruptions. *Wisconsin Academy of Sciences, Arts, and Letters, Transactions*, 35: 351-366.

► Includes Kaibab Plateau.

1943 19.3911 Deer irruptions. *Wisconsin Conservation Bulletin*, 8(8) (August): 3-11.

► Includes Kaibab Plateau.

1950 19.3912 Wisconsin's deer problem. *Wisconsin Conservation Department, Publication 321*, pp. 3-11.

► Reprint of Leopold (1943).

Leopold, Aldo; Sowls, Lyle K.; AND Spencer, David L.

1947 19.924 A survey of over-populated deer ranges in the United States. *Journal of Wildlife Management*, 11(2) (April): 162-177.

Leslie, Elaine

1998 19.925 Gone batty. *Boatman's Quarterly Review*, 11(2) (Spring): 16.

► Bats.

1999 19.927 Bats surveyed at Grand Canyon. *In:* U.S. National Park Service, *Natural resource year in review 1998*, p. 18.

1999 19.1940 Detection of forest carnivores. *Canyon Views* (Grand Canyon Association), 5(4) (Winter): 6-7.

2001 19.2046 Mountain lion-human interactions at Grand Canyon National Park. *Nature Notes* (Grand Canyon National Park), 17(1) (Summer): 9-11.

2001 19.2338 Mountain lion-human interactions on the Colorado Plateau: the effects of human use areas on mountain lion movements, behavior, and activity patterns. *In:* Harmon, David (ed.), *Crossing boundaries in park management: Proceedings of the 11th Conference on Research and Resource Management in Parks and on Public Lands*. Hancock, Michigan: The George Wright Society, pp. 193-196.

► Includes references to North and South Rims of Grand Canyon.

2002 19.2204 Desert tortoises in the Hook. *Nature Notes* (Grand Canyon National Park), (Spring): 7.

► Grand Wash Hook.

2003 19.2797 DNA sampling key to noninvasive study of mountain lions in southwestern parks. *In: Natural Resource Year in Review—2002.* Denver: U.S. National Park Service, Natural Resource Information Division, Natural Resource Program Center, p. 23.

► Includes note of North and South Rims of Grand Canyon.

2004 19.2453 The big-eared bats of Stantons Cave. *Nature Notes* (Grand Canyon National Park), (Spring): 10-11.

► Stanton's Cave.

Leslie, Elaine; Garding, Emily; Reed, Sarah; AND Culver, Melanie

2002 19.2898 Large carnivore preservation and visitor safety in national parks: A balancing act through DNA analysis [ABSTRACT]. *In:* Davies, Kate, Delach, Aimee, Epstein, Liz, and Selden, Mary (compilers), From the Mountains to the Sea: A Conference on Carnivore Biology and Conservation, November 17-20, 2002, Monterey, California. *Proceedings and Agenda for Defenders of Wildlife's Carnivores 2002*, p. 42.

Levine, Norman D., AND Ivens, Virginia

1965 19.6131 The coccidian parasites (Protozoa, Sporozoa) of rodents. *Illinois Biological Monographs* (University of Illinois), (33), 365 pp. [pagination includes Plates 1-48].

► For species gathered from specimens taken at Grand Canyon, see pp. 24-25, 38-41, 43, 48-49, 57-61, 65, 67-69, 165-166; Plates 3, 6-8, 11, 13, 32.

Levine, Norman D.; Ivens, Virginia; AND Kruidenier, Francis J.

1957 19.5184 New species of *Eimeria* from Arizona rodents. *Journal of Protozoology*, 4(2) (May): 80-88.

► Eleven new species of intestinal parasites from rodents in Grand Canyon National Park and vicinity.

1957 19.5225 *Isopora citelli* n. sp. from the rock squirrel, *Citellus variegatus utah*. *Journal of Protozoology*, 4(3) (August): 143-144.

► New species of intestinal parasite. "The host rock squirrel was trapped by Dr. Hoffmeister on August 9, 1954 one-half mile from Swamp Point, near Powell Saddle, on the north rim of Grand Canyon at an elevation of 7500 feet."

Levorse, Alexis; Pilkington, Lonnie; Wharton, Emma; Berg, Michael; Jorgensen, Brad; Quintero, Kayla; Shafique, Razia; AND Tallman, Shandin

2016 19.5281 Citizen science makes youth go batty. *Boatman's Quarterly Review*, 29(4) (Winter 2016-2017): 14-16.

► Young people participate in research data-collection on bats along southwestern rivers, including Colorado River.

Lew, Mable, AND Welden, Amy

1991 19.928 Lizard distribution and density studies along the Colorado River in Grand Canyon National Park. *In: Colorado River Investigations #9 : July/August, 1990* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 62-76.

Lewis, Paula

2009 19.6527 Restoring the balance: Brining [*sic*] wolves home to the Grand Canyon [ABSTRACT]. *From:* Minding Animals 2009; Protecting the Animals Seminar Series abstracts. *In: The 2009 International Academic and Community Conference on Animals and Society: Minding Animals 2009 : Monday 13 to Saturday 18 July 2009, newcastle Civic Precinct, Newcastle, NSW, Australia*, abstract SS005.

► Grand Canyon Wolf Recovery Project.

List, Rurik; Ceballos, Gerardo; Curtin, Charles; Gogan, Peter J. P.; Pacheco, Jesús; AND Truett, Joe

2007 19.3521 Historic distribution and challenges to bison recovery in the northern Chichuhuan desert. *Conservation Biology*, 21(6): 1487-1494.

► Includes notes on House Rock Valley herd, Arizona.

Locke, Robert

2007 19.5179 Working together; BCI builds success with the U.S. Forest Service. *Bats* (Bat Conservation International, Austin, Texas), 25(4) (Winter): 1-6.

► Includes note of partner program to radiotrack spotted bats in Grand Canyon, House Rock Valley, and Kaibab Plateau (pp. 2, 5).

2010 19.4933 Succeeding together; BCI and the National Park Service build on years of cooperation. *Bats* (Bat Conservation International, Austin, Texas), 28(3) (Fall): 2-5.

► Regarding the installation of bat-friendly gates in mine and cave entrances. Includes Last Chance Mine and Stanton's Cave in Grand Canyon National Park.

Locke, S. B.

1924 19.3486 Necessary to remove surplus deer. *Yale Forest School News*, 11(4) (October): 64-65.

► Kaibab Plateau.

1929 19.5044 Transplanting deer. *American Forests*, (October): 625-628.

► Kaibab Plateau deer.

1930 19.2149 The study of big game ranges. *Ecology*, 11(4) (October): 770.

Lomolino, Mark V.; Brown, James H.; AND Davis, Russell

1989 19.933 Island biogeography of montane forest mammals in the American Southwest. *Ecology*, 70(1): 180-194.

Long, Charles A.

1972 19.5028 Taxonomic revision of the North American badger, *Taxidea taxus. Journal of Mammalogy*, 53(4): 725-759.

► Reference specimens include those from Grand Canyon region.

1973 19.5029 *Taxidea taxus*. *Mammalian Species*, (26), 4 pp.

► Notes specifically in Figure 4 (p. 2), "The Rocky Mountains and the Grand Canyon seem important in the differentiation of the western subspecies."

Lord, Mary Alice

2000 19.1989 [Letter regarding ringtail cats in Grand Canyon.] *In:* Letters to the editor [SECTION]. *Smithsonian*, 31(7) (October): 21.

Lowe, Charles H.

1955 19.4278 The salamanders of Arizona. *Kansas Academy of Science, Transactions*, 58(2): 237-251. [Author's name given as Charles H. Lowe, Jr.]

► Includes Grand Canyon.

1964 19.934 (ED.) *The vertebrates of Arizona : with major section on Arizona habitats.* Tucson: University of Arizona Press, 270 pp.

1964 19.936 Amphibians and reptiles of Arizona. *In:* Lowe, Charles H. (ed.), *The vertebrates of Arizona : with major section on Arizona habitats.* Tucson: University of Arizona Press, pp. 153-174.

1985 19.3383 *Arizona's natural environment : landscapes and habitats.* Tucson: University of Arizona Press, 136 pp.

Lowers, H. A.; Lankton, J.; AND Hinck, J. E.

2017 19.5854 Lung bioassay of ground dwelling mammals from the Grand Canyon uranium breccia pipe region using scanning electron microscopy [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest*

Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona. [No imprint], p. 95.

Luce, Robert J.

2006 19.6408 Areas where habitat characteristics could be evaluated to identify potential black-footed ferret reintroduction sites and develop conservation partnerships. *In:* Roelie, James E., Miller, Brian J., Godbey, Jerry L., and Biggins, Dean E. (eds.), Recovery of the black-footed ferret: Progress and continuing challenges : proceedings of the symposium on the Status of the Black-footed Ferret and its Habitat, Fort Collins, Colorado, January 28-29, 2004. *U.S. Geological Survey, Scientific Investigations Report 2005-5293*, pp. 69-88.

► Existing reintroduction sites include Aubrey Valley, Arizona.

Luce, Robert J., AND Keinath, Doug

2007 19.3067 *Spotted bat (*Euderma maculatum*): A technical conservation assessment; prepared for the USDA Forest Service, Rocky Mountain Region, Species Conservation Project.* [No imprint], 51 pp.

► Includes notes on Grand Canyon and Kaibab Plateau occurrences.

Lukowski, Susan

1981 19.6505 NPS video technology applications endless. *Courier* (U.S. National Park Service), 4(6) (June): 7.

► "Portable [video tape units], according to Grand Canyon's Resource Management Chief, Jim Walters, 'has been terrific for situations like bringing the impact of burro damage directly to public meetings.' The 10-minute unedited black and white tape Walters shot from a small patrol plane 'did much to help the viewers understand Grand Canyon's problems.'" (ENTIRE NOTE)

Lynn, Janet C., AND Auberle, William

2009 19.6479 *Guidelines for assessing the potential impacts to birds and bats from wind energy development in northern Arizona and the southern Colorado Plateau.* Flagstaff, Arizona: Northern Arizona University, Ecological Monitoring and Assessment Program and Foundation, 48 pp.

Lyon, Marcus Ward, Jr., AND Osgood, Wilfred Hudson

1909 19.942 Catalogue of the type-specimens of mammals in the United States National Museum, including the Biological Survey Collection. *U.S. National Museum, Bulletin 62*, 325 pp.

► Grand Canyon specimens, see: *Sciurus kaibabensis* Merriam, label data indicate "Bright Angel Creek, top of Kaibab Plateau, Grand Canyon", with notation, "Well-made skin in good condition; skull with zygomata, pterygoids, left amlital bulla, and angular processes of mandible broken" (p. 186

Spilogale gracilis Merriam, label data indicate "Bottom of Grand Canyon of the Colorado", with notation, "Well-made skin in good condition; skull perfect, except for a perforation of the inner wall of the right orbit" (p. 223).

M

Mackay, Walker David

2020 19.6563 The first trip. *Boatman's Quarterly Review*, 33(4) (Winter 2020-2021): 7-9.

► The author's reflections on leading the first trip on the Colorado River through Grand Canyon, a one-boat motorized trip, following the 81-day closure of the river due to the COVID-19 pandemic. Includes brief remarks and photo of a four-foot gopher snake (*Pituophis catenifer*) drinking from Clear Creek.

Mackessy, Stephen P.

2010 19.4037 Evolutionary trends in venom composition in the Western Rattlesnakes (*Crotalus viridis* sensu lato): Toxicity vs. tenderizers. *Toxicon*, 55: 1463-1474.

► Includes *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

MacVean, Susan R.

1996 19.5048 Small mammal inventory on the North Kaibab Ranger District (Coconino County, Arizona). *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 101*, 10 pp.

Malmos, Keith; Reed, Robert; AND Starrett, Bryan

1995 19.948 Hybridization between *Bufo woodhousii* and *Bufo punctatus* from the Grand Canyon region of Arizona. *Great Basin Naturalist*, 55(4): 368-371.

Manning, Judi

2009 19.3050 Kaibab squirrel; subspecies: *Sciurus aberti kaibabensis*. *Far Flowing Water* (Owashtanong Islands Audubon Society, Michigan), 21(3) (November): 6.

Mantooth, Stacy J.; Hafner, David J.; Bryson, Robert W., Jr.; AND Riddle, Brett R.

2013 19.5943 Phylogeographic diversification of antelope squirrels (*Ammospermophilus* across North American deserts. *Linnean Society, Biological Journal*, 109: 949-967.

Marin, John, AND Armendarez, Manuel

2015 19.5712 Riding on coattails to the Strip. *Huntin' Fool* (Cedar City, Utah), (June): 110-114.

► Mule deer hunting, Arizona Strip, Area 13B.

Markley, Chester R.

1931 19.953 The badger and its environment. *Grand Canyon Nature Notes*, 5(3) (January): 30-31.

1931 19.954 The raccoon of Havasupai. *Grand Canyon Nature Notes*, 5(5) (March): 49-50.

► Havasu Canyon. With appended "Editorial Note", reporting recent sighting of signs of raccoons along Tapeats Creek and vicinity.

1931 19.955 Early stages in the development of rainbow trout. *Grand Canyon Nature Notes*, 5(6) (April): 59-60.

1931 19.956 The Sonora beaver. *Grand Canyon Nature Notes*, 5(8) (June): 78-80.

1994 19.957 . . . Environment. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 52. [Ellipsis is part of title.

► Reprinted from *Grand Canyon Nature Notes*, January, 1931.

1994 19.958 The Sonora beaver. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 118-119.

► Reprinted from *Grand Canyon Nature Notes*, June, 1931.

1994 19.959 The raccoon of Havasupai. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 120.

► Reprinted from *Grand Canyon Nature Notes*, March, 1931.

1994 19.960 The badger and its environment. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 124.

► Reprinted from *Grand Canyon Nature Notes*, January, 1931.

Marston, Betsy

2014 19.4572 Don't mess with a thirsty elk. *In:* Heard Around the West [SECTION]. *High Country News*, 46(19) (November 10): 28.

► Elk competing for water at water-bottle refilling station at head of South Kaibab Trail.

Martin, Jeff M.

2014 19.4627 *Late Pleistocene and Holocene* Bison *of Grand Canyon and Colorado Plateau: Implications from the use of paleobiology for natural resource management policy.* Master's thesis, East Tennessee State University, 132 pp.

Martin, Jeff M., AND Mead, Jim I.

2014 19.4641 Re-evaluation of *Bison* remains from the greater Grand Canyon region and Colorado Plateau: Native or non-native? [ABSTRACT]. *In:* 10th North American Paleontological Convention, Florida Museum of Natural History, Hilton University of Florida Conference Center, 1714 SW 34th Street, Gainesville, Florida, February 15th-18th, 2014; Abstract Book. *Paleontological Society, Special Publication 13*, p. 59.

Martin, Jeff M.; Martin, Rachel A.; AND Mead, Jim I.

2017 19.5423 Late Pleistocene and Holocene *Bison* of the Colorado Plateau. *Southwestern Naturalist*, 62(1) (March): 14-28.

Martin, Jeff M.; Mead, Jim E.; AND Barboza, Perry S.

2018 19.5901 Bison body size and climate change. *Ecology and Evolution*, 8: 4564-4574.

► Includes Grand Canyon bison.

Martin, Jeff M.; Short, Rachel A.; AND Mead, Jim I.

2018 19.5922 Research: Are bison native to the Grand Canyon region? *myFOSSIL* (FOSSIL Project, sponsored by Florida Museum of Natural History, Gainiesville, Florida), 5(1) (Spring): 12-13.

Martin, Paul S.

1978 19.965 The equid niche in the Grand Canyon. *CoEvolution Quarterly*, (Fall): 136-137.

1996 19.966 Thinking like a canyon: Wild ideas and wild burros. *In:* Webb, Robert H., *Grand Canyon, a century of change : rephotography of the 1889-1890 Stanton Expedition.* Tucson: University of Arizona Press, pp. 82-83.

Martins, W.; Baldasso, P. A.; Honório, K. M.; Maltarollo, V. G.; Ribeiro, R. I. M. A.; Carvalho, B. M. A.; Soares, A. M.; Calderon, L. A.; Stábeli, R. G.; Caballol, M. A. O.; Acosta, G.; Oliveira, E.; Marangoni, S.; Albericio, F.; AND Da Silva, S. L.

2014 19.4435 A novel phospholipase A_2 (D49) from the venom of the *Crotalus oreganus abyssus* (North American Grand Canyon rattlesnake). *BioMed Research International*, 2014: (Article ID 654170), doi:10.1155/2014/654170, 15 pp.

Masica, Sue E.

2014 19.4398 Environmental Impact Statement for a Bison Management Plan, Grand Canyon National Park, Arizona. *Federal Register*, 79(65) (April 4): 18929-18930.

► Notice of intent to prepare an EIS.

Mather, Stephen T.

1924 19.2314 Are Kaibab deer doomed? *Outdoor America*, 3(5) (November): 14-17, 59, 61, 63-65.

Mathis, Allyson

2007 19.2990 Bat survey documents Grand Canyon populations and nursery colonies. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 1 (July), http://www.nps.gov/grca/naturescience/cynsk-v01.htm

2009 19.2996 Grand Canyon National Park's Mountain Lion Ecology Program is tracking six lions. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 11 (July), http://www.nps.gov/grca/naturescience/cynsk-v11.htm

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May, Roy H., Jr.

2024 19.6820 The Bailey biological survey of the Grand Canyon. *The Ol' Pioneer* (Grand Canyon Historical Society), 35(1) (Winter): 5-14.

► 1928, 1929, 1931. See also letter from Jonathan Upchurch, 35(4) (Fall): 14, noting Edwin D. McKee, François Matthes, and Vernon Bailey, and the Baileys' probable crossing of the Navajo Bridge prior to its dedication in June 1929.

Mays, Buddy

1973 19.4640 Beaver-r-r-r-r! *Desert Magazine*, 36(8) (August): 36-39.

► Article generally about beaver along southwestern rivers the writer has visited. Begins with remarks from a trip on the Colorado River through Grand Canyon.

McCartney, Eugene S.

1937 19.2885 Calling on the Kaibab squirrel. *Nature Magazine*, 29(5) (May): 271-272.

McClendon, John

2015 19.5713 Record setter. *Eastmans' Bowhunting Journal*, (June): cover, 6-8.

► Hunting mule deer on Arizona Strip.

McCulloch, Clay Y.

1968 19.979 Transplanted mule deer in Arizona. *Arizona-Nevada Academy of Science, Journal*, 5(1): 43-44.

1982 19.4739 *Evaluation of summer deer habitat on the Kaibab Plateau : a final report.* [Phoenix]: Arizona Game and Fish Department, Research Branch, 20 pp. (Federal Aid in Wildlife Restoration Project W-78-R, Work Plan 4, Job 12, July 1, 1972 to June 30, 1982.)

McCulloch, Clay Y., AND Brown, Richard L.

1986 19.980 *Rates and causes of mortality among radio collared mule deer of the Kaibab Plateau, 1978-1983 : a final report.* Phoenix: Arizona Game and Fish Department, Research Branch, 21, [2], 12 pp.

McCulloch, Clay Y., AND Smith, Ronald H.

1991 19.3747 Relationship of weather and other environmental variables to the condition of the Kaibab deer herd; a final report. *Arizona Game and Fish Department, Research Branch, Technical Report 11*, 98 pp. (Federal Aid in Wildlife Restoration Project W-78-R.)

McGraw, Donald J.

1979 19.6458 Hunting live dinosaurs in Grand Canyon in 1937: On the role of the popular press and the advancement of science [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 94.

► Regarding the Shiva Temple expedition.

McHenry, Donald Edward

1932 19.991 Recent notes on the American pronghorn antelope of the Grand Canyon. *Grand Canyon Nature Notes*, 7(3): 29-30.

1932 19.992 The turning of the tables. *Grand Canyon Nature Notes*, 7(7) (October): 69.

► Coyotes, deer.

1933 19.998 Rattlesnakes on the canyon rim. *Grand Canyon Nature Notes*, 8(8) (November): 213-214.

► See also postscript in "Miscellany" section, p. 216. See also follow-up in 8(11) (Anonymous, 1934, ITEM NO. 19.5072).

1934 19.5071 [C.C.C. crews at Phantom ranch report deer swimming Colorado River.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 8(10) (January):.

1934 19.1000 Lizard eat lizard. *Grand Canyon Nature Notes*, 9(3) (June): 285-287.

► Striped swift, *Sceloporus c. consobrinus*, eats Arizona free uta, *Uta ornata symmetrica*, near Yavapai Observation Station.

1994 19.1015 Lizard eat lizard. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 87-88.

► Reprinted from *Grand Canyon Nature Notes*, June, 1934.

1994 19.1016 Rattlesnakes on the Canyon rim. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 90.

► Reprinted from *Grand Canyon Nature Notes*, November, 1933.

McIntire, Angie

2005 19.4705 Arizona. *Western Bat Working Group Newsletter*, 1(1) (December): 10-11.

► See p. 11, "Hualapai Reservation Bat House Project"; brief note pertaining to renovation of historic Valentine school house.

2006 19.4706 Arizona. *Western Bat Working Group Newsletter*, 2(1) (April): 9-11.

► See p. 10, "Hualapai Indian Boarding School"; brief note and photos pertaining to renovation of historic Valentine school house.

2006 19.4707 Arizona. *Western Bat Working Group Newsletter*, 2(2) (November): 12-13.

► See p. 13, "Bat Habitat Mitigation—Bat House Project"; brief note and photo pertaining to renovation of historic Valentine school house.

McKee, Barbara H. *see also* Hastings, Barbara

1931 19.1019 A lively little beggar. *Grand Canyon Nature Notes*, 5(6) (April): 56-57.

► Titmouse.

1931 19.5396 [Mule deer eats from string of dried red peppers.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.

1933 19.1022 Over abundant chipmunks. *Grand Canyon Nature Notes*, 8(4) (July): 169-171.

1934 19.1023 Bucks grow bold. *Grand Canyon Nature Notes*, 8(11) (February): 244-245.

► Mule deer.

1934 19.1024 Raven vs. squirrel. *Grand Canyon Nature Notes*, 8(11) (February): 247.

1934 19.1025 [Female Abert squirrel rebuilds nest.] *In:* Some Wild Life Observations [SECTION]. *Grand Canyon Nature Notes*, 9(4) (July): 304.

1994 19.1029 Bucks grow bold. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 130-131.

► Reprinted from *Grand Canyon Nature Notes*, February, 1934.

McKee, Edwin D.

1928 19.1036 The blue-bellied lizard. *Grand Canyon Nature Notes*, 3(3) (August 31): 3-4.

1929 19.1037 Odds and ends. *Grand Canyon Nature Notes*, 3(9) (May 31): 6.

► Flammulated screech owl, eastern kingbird, spotted skunks, tent caterpillars, water ouzel nests.

1929 19.1040 The next generation. *Grand Canyon Nature Notes*, 3(12) (August 31): 6.

► The "wild lizard herd" maintained at Yavapai Observation Station, and egg-laying

1929 19.1041 Hither and yon. *Grand Canyon Nature Notes*, 4(2) (October 31): 13-14.

► Includes brief notes of American bald eagle in Hance Canyon, tarantulas on South Rim, and horned toad canibalism.

1929 19.1044 *Preliminary check list of mammals : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 13 pp.

1930 19.1045 *Preliminary check list of amphibians and reptiles : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 4, 3 pp.

1930 19.1048 The Grand Canyon rattlesnake. *Grand Canyon Nature Notes*, 4(6) (April 30): 40.

► Author credited in Table of Contents only as "Park Naturalist". Remarks that this is the first animal to bear a "Grand Canyon" common name.

1930 19.1050 Geological and wildlife observations between Bass Canyon and Hermit Canyon. *Grand Canyon Nature Notes*, 5(1) (November 30): contents page, 3-10.

1931 19.1052 Pocket mice! *Grand Canyon Nature Notes*, 5(6) (April): 57-58.

1931 19.1107 [Patch-nose snake.] *In:* Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61.

► Second record for Grand Canyon, near Panorama Point, [South] Kaibab Trail.

1931 19.5387 [Chuckwallas.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70.

► Especially numerous this year in inner canyon.

1931 19.1056 Additional notes on the Tanner Trail trip. *Grand Canyon Nature Notes*, 5(12) (October): 121-122.

► Natural history observations. See also Vernon Bailey, p. 119 in this issue (ITEM NO. 19.201). See also follow-up identification in 6(1) (November): 15 (Anonymous, 1931, ITEM NO. 19.62).

1931 19.1057 [Great Thumb.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(1) (November): 13.

► Junipers of Great Thumb Point. Also note of numerous juniper berries in coyote droppings here.

1932 19.1065 A bitter struggle. *Grand Canyon Nature Notes*, 7(7) (October): 73-75.

► Pallid brown bats.

1932 19.5057 Field observations. *Grand Canyon Nature Notes*, 7(7) (October):.

► Gopher snake near Indian Garden. Tarantulas on South Rim.

1932 19.1068 A little-known mammal. *In:* Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 95.

► Grey shrew.

1932 19.1069 Snake stories. *In:* Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 96.

1933 19.5061 [Mountain weasel.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 7(12) (March):.

► Seldom found on South Rim, a dead specimen found "in the barn of the Fred Harvey Company, January 30, 1933."

1933 19.1074 Fawn observations. *Grand Canyon Nature Notes*, 8(5) (August): 181.

1933 19.1076 Are there any bears here? *Grand Canyon Nature Notes*, 8(8) (November): 214-215.

1934 19.66 [First records of Great Basin rattlesnake, *Crotalus c. lutosus*, near Grand Canyon; from Toroweap Valley and Mount Trumbull.] *In:* Miscellaney [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.

1934 19.1079 Status of the desert bighorn in Grand Canyon National Park. *Grand Canyon Nature Notes*, 9(4) (July): cover, 294-300.

► Includes table, "Summary of Desert Bighorn Observations, Grand Canyon Nat'l Park, 1928-1934"; listing locality, individuals, date, and observer.

1934 19.1082 New mammal record for Grand Canyon. *Grand Canyon Nature Notes*, 9(9): 360.

1941 19.1087 Distribution of the tassel-eared squirrels. *Plateau*, 14: 12-20.

1942 19.1088 Northern Arizona snakes. *Arizona Wildlife and Sportsman*, 4(7) (June 29).

1976 19.1091 Discovery of the Grand Canyon Rattlesnake. *In:* People on the River [FEATURE]. *Journal of Arizona History*, 17(1) (Spring): 47-49. [Retrospective.]

1994 19.1095 Miscellany. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 70-71.

► Reprinted from *Grand Canyon Nature Notes*, November, 1931, coyote droppings with undigested juniper berries.

1994 19.1098 The bluebellied lizard. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 86.

▶ Reprinted from *Grand Canyon Nature Notes*, August, 1928.

1994 19.1099 The Grand Canyon rattlesnake. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 89-90.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1930.

1994 19.1103 Pocket mice. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 111-112.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1931.

1994 19.1104 A bitter struggle. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 125-126.

▶ Reprinted from *Grand Canyon Nature Notes*, October, 1932; pallid brown bats.

1994 19.1105 Status of the desert bighorn in Grand Canyon National Park. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 135-136.

▶ Reprinted from *Grand Canyon Nature Notes*, July, 1934.

McKee, Edwin D., AND Bogert, Charles M.

1934 19.1106 The amphibians and reptiles of Grand Canyon National Park. *Copeia*, 1934(4): 178-180.

McKnight, Mark L.

1995 19.2112 Mitochrondrial DNA phylogeography of *Perognathus amplus* and *Perognathus longimembris* (Rodentia: Heteromyidae): A possible mammalian ring species. *Evolution*, 49(5) (October): 816-826.

McKnight, Tom L.

1958 19.6388 The feral burro in the United States: Distribution and problems. *Journal of Wildlife Management*, 22(2) (April): 163-179.

1959 19.4334 The wild horse today. *Desert Magazine*, 22(6) (June): [7].

▶ Map of "Distribution of Wild Horses in the Southwest Today" depicts minor concentrations in area of Hualapai Indian Reservation and south shore of Lake Mead.

McMullen, Craig, AND Lutch, Carl

2013 19.5438 Biological and political considerations for managing bison in Arizona [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 89.

McRea, B. H.; Beier, P.; Dewald, L. E.; Huynh, L. Y.; AND Keim, P.

2005 19.5117 Habitat barriers limit gene flow and illuminate historical events in a wide-ranging carnivore, the American puma. *Molecular Ecology*, 14: 1965-1977.

► Includes Kaibab Plateau and South Rim of Grand Canyon.

Mead, Jim I., AND Bell, Christopher J.

1994 19.1120 Late Pleistocene and Holocene herpetofaunas of the Great Basin and Colorado Plateau. *In:* Harper, Kimball T., St. Clair, Larry L., Thorne, Kaye H., and Hess, Wilford M. (eds.), *Natural history of the Colorado Plateau and Great Basin.* Niwot, Colorado: University Press of Colorado, pp. 255-275.

Mearns, Edgar Alexander

1907 19.2207 Mammals of the Mexican boundary of the United States; a descriptive catalogue of the species of mammals occurring in that region; with a general summary of the natural history, and a list of trees. Part I. Families Didelphiidae to Muridae. *U.S. National Museum, Bulletin 56*, 530 pp.

► Regarding bighorn sheep on Cataract Creek, 1884, 1887, and earlier, see pp. 237-238.

Meineke, Emily K.; Davies, T. Jonathan; Daru, Barnabas H.; AND Davis, Charles C.

2019 19.6676 Biological collections for understanding biodiversity in the Anthropocene. *Royal Society of London, Philosophical Transactions*, Series B (Biological Sciences), 374(1763): https://doi.org/10.1098/rstb.2017.0386, 9 pp.

► See figures 1d, e (p. 2), "bones and a skull, respectively, of the white-tailed deer (*Odocoileus virginianus*) from collections at the Grand Canyon National Park"; no separate text mention.

Menke, Kurt; Sneed, Paul; Stevens, Larry; Corbo, Nicole; Burke, Kelly; AND Crumbo, Kim

2007 19.6528 Modeling potential Mexican wolf habitat in the Grand Canyon ecoregion [ABSTRACT]. *In: 19th Annual North American Wolf Conference, Flagstaff, Arizona*, pp. 5-6.

Menkes, Dove [Menkes, Elchanan Dov]

1998 19.1139 More snake stories. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 9(3) (September/December): 13-14.

2014 19.4504 [Horace Albright reminiscence.] *The Ol' Pioneer* (Grand Canyon Historical Society), 25(3) (Summer): 4.

► Brief anecdote regarding the "Nankoweap snake".

Merriam, C. Hart [Merriam, Clinton Hart]

1890 19.1146 Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *U.S. Department of Agriculture, North American Fauna*, (3), 136 pp., 13 plates, 5 maps.

► Includes new species.

1890 19.3801 Contribution toward a revision of the little striped skunks of the genus *Spilogale*. With descriptions of seven new species. *In:* Merriam, C. Hart, Descriptions of twenty-six new species of North American mammals. *U.S. Department of Agriculture, North American Fauna*, (4): 1-15, table, Plate 1.

► See *Spirogale gracilis* Merriam, from "near bottom" of Grand Canyon, p. 12. "This species has been described in North American Fauna, No. 3, pp. 83-84" (see Merriam, 1890, ITEM NO. 19.1146).

1893 19.3609 Two new wood rats from the plateau region of Arizona (*Neotoma pinetorum* and *N. arizonae*); with remarks on the validity of the genus *Teonoma* of Gray. *Biological Society of Washington, Proceedings* (Washington, D.C.), 7: 109-112.

► In discussion of *N. pinetorum* from the San Francisco Peaks, suggests range meets that of *N. mexicana* of the Painted Desert and Grand Canyon (p. 112).

1904 19.1149 Two new squirrels of the *aberti* group. *Biological Society of Washington, Proceedings*, (Washington, D.C.) 17: 129-130.

► Includes *Sciurus kaibabensis*, new species; the Kaibab squirrel.

1974 19.3218 Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *In: Selected works of Clinton Hart Merriam.* New York: Arno Press, [item 11 in unpaginated volume, with original pagination only]. (Natural Sciences in America, Keir B. Sterling, advisory ed.)

► Facsimile reprint of Merriam (1890, ITEM NO. 19.1146).

2004 19.3314 Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *In:* Lomolino, Mark V., Sax, Dov F., and Brown, James H. (eds.), *Foundations of biogeography : classic papers with commentaries.* Chicago and London: University of Chicago Press, pp. 202-233.

► Facsimile reprint of "Prefatory Note" and "Part I", pp. 1-28, and selected illustrations in Merriam (1890, ITEM NO. 19.1146).

Merriam, Charles W.

1928 19.1150 Cougars not extinct on Kaibab. *Grand Canyon Nature Notes*, 3(1) (June 30): 3-4.

Metcalfe, Anya N.; Fritzinger, Carol A.; Kennedy, Theodore A.; Dodrill, Michael J.; Muehlbauer, Jeffrey D.; Holton, Brandon; Durning, Laura E.; Sankey, Joel B.; AND Weller, T.

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2023 19.6853 Insectivorous bat foraging tracks the availability of aquatic flies (Diptera). *Journal of Wildlife Management*, 87(5): e22414 (https://doi.org/10.1002/jwmg.22414) + Supporting Information online (Fig. S1, Tables S1-S5, Methods SI and SII; 15 pp.).

► Colorado River in Grand Canyon.

Metteer, Debra; Benenati, Peggy; AND Oothoudt, Beverly

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1985 19.2209 Origin of the Kaibab squirrel. *Creation Research Society Quarterly*, 22(2) (September): cover, inside front cover, 68-78.

► Creationist perspective.

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► Creationist perspective.

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► Creationist perspective.

Mikesic, David G., AND Chambers, Carol

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Miller, Gerrit S., AND Kellogg, Remington

1955 19.1166 List of North American Recent mammals. *U.S. National Museum, Bulletin 205*.

► See pp. 209-210, 249-250, 251, 294-295, 296, 296-297, 315, 362, 367, 394, 409-410, 427, 466-467, 516, 539, 598, 750-751, 774, 781.

Miller, J. Earle

1925 19.3313 Hunting wild animals for Uncle Sam. *Popular Mechanics Magazine*, 43(6) (June): 963-967.

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Milne, Lorus J., AND Milne, Margery J.

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► Includes Aldo Leopold and Kaibab Plateau.

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2007 19.2687 The sprites of the far woods; tracking the Kaibab squirrel. *Northern Arizona's Mountain Living Magazine*, (July): 26-31.

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► Bison on Kaibab Plateau.

Minter, Kelsey M.; Jannik, G. Timothy; Hinck, Jo Ellen; Cleveland, Danielle; Kubilius, Walter P.; AND Kuhne, Wendy W.

2019 19.6164 Biota dose assessment of small rodents sampled near breccia pipe uranium mines in the Grand Canyon watershed. *Health Physics*, 117(1) (July): 20-27.

Mitchell, John E., AND Freeman, Duane R.

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► In response to Choral Pepper's article in the May issue (Pepper, 1967, ITEM NO. 19.4391) on the so-called "miniature horses" said to be from Grand Canyon. Includes photograph.

Montanucci, Richard R.

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► See in studies of *P. hernandesi*. Lizard.

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Moors, Amanda

2005 19.3928 Moving forward in the Kaibab. *Deer Times* (Arizona Deer Association), (Fall): 23-24.

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1990 19.3834 *Desert bighorn sheep forage relationships in the Virgin Mountains, Arizona.* Doctoral dissertation, University of Arizona, 230 pp.

Mortenson, Susan G.

2009 19.4902 *Plant community invasibility in riparian landscapes: Role of disbturbance, geomorphology, and life history traits.* Doctoral dissertation, University of Nevada at Reno, 155 pp.

► *Tamarix*, *Salix*, beavers, and flow regimes of the Colorado River through Grand Canyon.

Mortenson, Susan G.; Weisberg, Peter J.; AND Ralston, Barbara E.

2008 19.2706 Do beavers promote the invasion of non-native *Tamarix* in the Grand Canyon riparian zone? *Wetlands*, 28(3) (September): 666-675.

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► Includes brief remarks on Caughley's reanalysis of the Kaibab Plateau deer irruption (Caughley, 1970, ITEM NO. 19.427).

Mosca, Josiane

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Mount, Emily

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► Includes Grand Canyon, where York died from plague following a mountain lion necropsy. See also "Eric's Story" in the "Editor's Note" column by Rona Marech, p. 4.

Muench, Joyce Rockwood, AND Muench, Josef

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► House Rock Valley.

Muller, Seth

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2014 19.4457 Getting rattled; the warmer weather brings out the fascinating rattlesnakes. *Northern Arizona's Mountain Living Magazine*, (April): 35.

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2015 19.4782 An evaluation of mule deer harvest estimates on the North Kaibab, Arizona [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 99.

Murkowski, Lisa

2015 19.5814 Grand Canyon Bison Management Act [. . .] Report together with additional and minority views (to accompany S. 782). *U.S. 114th Congress, 1st Session, Senate Report 114-184*, 10 pp.

Murphy, John C.

2018 19.5924 *Arizona's amphibians and reptiles : a natural history and field guide.* (Additional photography by Lawrence L. C. Jones, René C. Clark, Gary Nafis, and others.) [No place]: Book Services, 316 pp.

Murray, Bertram G., Jr.

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▶ See p. 39, remarks on Kaibab deer herd; and see cartoon, "Starving deer" (p. 38).

1973 19.6246 Lo que los ecologos pueden enseñar a los economistas. *Facetas* (Agencia de Información de los EE. UU., Washington, D.C.), 6(1): 46-55. [In Spanish.]

▶ See p. 48, remarks on Kaibab deer herd. Translation of Murray (1972, ITEM NO. 19.6245).

Murray, Karen

2004 19.2523 Restoring wolves to the Grand Canyon [ABSTRACT]. *In:* Delach, Aimee (compiler), *Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico.* [No place]: Defenders of Wildlife, p. 149.

Murray, Lance

2016 19.5183 Habitat suitability model of American hog-nosed skunk in Grand Canyon National Park: A research project from Grand Canyon Semester 2015. *RMS Journal* (River Management Society), 29(2): 20-21.

▶ Grand Canyon Semester program, Northern Arizona University.

Murray, P., AND Arrington, O. N.

1950 19.1239 *The status of the Kaibab North deer herd.* Phoenix: Arizona Fish and Game Department, 30 pp.

Musgrave, M. E.

1933 19.5045 Dietary habits of antelope and deer; what stomach tests reveal concerning the food choice of these animals in the southwestern states. *New Mexico* (New Mexico State Highway Department, and New Mexico Department of Game and Fish, Santa Fe), 11 (October): 30-31.

▶ Includes Kaibab Plateau deer.

1934 19.5046 Game management in Arizona and New Mexico. *The National Waltonian* (Izaak Walton League of America), (February): 4-5, 14.

▶ Includes Kaibab Plateau deer.

Musto, D. T.; Schoenecker, K. A.; AND Aldridge, C. L.

2022 19.6837 Effects of plains bison (*Bison bison bison*) herbivory on grassland structure and function on the North Rim of Grand Canyon National Park, Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 130-131.

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Nash, Donald J., AND Seaman, Richard N.

1977 19.1242 *Sciurus aberti*. *Mammalian Species*, (80), 5 pp.

National Parks Conservation Association

1977 19.1243 Summary of NPCA survey of feral animals in the National Park system. *National Parks and Conservation Magazine*, 51: 16-20.

Natural Toxins Research Center

2012 19.3988 [Venom for sale.] *International Society on Toxinology Newsletter*, (December): 14.

► Advertisement for venoms for use in biomedical research; cited here as an example of price list. Includes Grand Canyon rattlesnake, *Crotalus oreganus abyssus*. From Natural Toxins Research Center, Texas A&M University, Kingsville, Texas.

Nelson, Edward W.

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► See illustration of mountain lion.

1918 19.3093 Smaller mammals of North America (with illustrations in color from paintings by Louis Agassiz Fuertes). *National Geographic Magazine*, 33(5) (May): 370-493.

► Abert and Kaibab squirrels, pp. 374, 448.

1918 19.3327 *Wild animals of North America : intimate studies of big and little creatures of the mammal kingdom. Natural-color portraits from paintings by Louis Agassiz Fuertes. Track sketches by Ernest Thompson Seton.* Washington, D.C.: National Geographic Society, paginated 385-612.

► Consists of reprintings of Nelson (1916, 1918) in *National Geographic Magazine*; "The Larger North American Mammals", pp. 385-472; "Smaller Mammals of North America", pp. 473-612. "The articles and illustrations in this volume are reproduced from the November, 1916, and May, 1918, National Geographic Magazine. The first page is numbered 385, as it originally appeared in the Magazine. The following pages are numbered in sequence." See illustration of mountain lion, p. 414; notices of Grand Canyon, p. 476, 525; and Abert and Kaibab squirrels, pp. 550, 564-568.

1922 19.3490 Statement of Dr. E. W. Nelson, Chief of Bureau. *In: Agricultural Appropriation Bill, 1924. Hearing before Subcommittee of House Committee on Appropriations : consisting of Messrs. Sydney Anderson (Chairman), Walter W. Magee, Edward H. Wason, James P. Buchanan, and Gordon Lee, in charge of the Agricultural Appropriation Bill for 1924 : Sixty-seventh Congress, Fourth Session.* Washington, D.C.: U.S. Government Printing Office, pp. 315-333. [U.S. Bureau of Biological Survey.]

► See "Investigations Relating to Forage of Large Game on National Forests", p. 330, including Kaibab Plateau.

1925 19.3512 Status of the pronghorned antelope, 1922-1924. *U.S. Department of Agriculture, Bulletin 1346*, 64 pp.

1932 19.2408 Mountain sheep. *In:* Gray, Prentiss N. (ed.), *Records of North American big game : published under the auspices of the National Collection of Heads and Horns, New York Zoological Society : a book of the Boone and Crockett Club.* New York: Derrydale Press, pp. 71-89.

► See pp. 85, 86.

Nelson, Edward W., AND Goldman, Edward A.

1931 19.4007 Three new pumas. *Washington Academy of Sciences, Journal* (Washington, D.C.), 21(10) (May 19): 209-212.

► Includes *Felis concolor kaibabensis*, new subspecies, Kaibab mountain lion, pp. 209-210. Type locality Powell Plateau.

Nelson, Emily J., AND Theimer, Tad C.

2012 19.6525 Translocation of Gunnison's prairie dogs from an urban and suburban colony to abandoned wildland colonies. *Journal of Wildlife Management*, 76(1): 95-101.

► Translocated from Flagstaff, Arizona, to "2 recipient colonies approximately 50 km north of Flagstaff separated by 6 km".

Nelson, Kathy

2011 19.6481 *National Rabies Management Program : summary report 2011.* Concord, New Hampshire: U.S. Department of Agriculture, Animal and Plant Health Inspection Service, National Rabies Management Program, 11 pp.

► See p. 5: Rabies cases in Coconino County, Arizona, included "2 gray foxes from a ranch within Grand Canyon National Park . . . were confirmed with a rabies variant associated with big brown bats". (Phantom Ranch.)

Nelson, R.

2022 19.6838 Mangement challenges and success of Arizona's three bison herds [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 134-135.

► Includes Kaibab Plateau and House Rock Valley herds.

Newman, Ethel L.

1938 19.2377 American Museum of Natural History. *Americana Annual*, 1938: 38-40.

► Mention of Patterson Grand Canyon Expedition to Shiva Temple, p. 39.

Newton, Alice C.

2011 19.4958 Trespass ungulates and other managed grazing issues in Colorado River parks [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright*

Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts. [No place]: George Wright Society, p. 120.

► Includes Grand Canyon National Park and Grand Canyon-Parashant National Monument.

Nibbelink, N. P.; Ben-David, M.; AND Blundell, G. M.

2003 19.2420 Relative importance of intrinsic vs. extrinsic factors for river otter dispersal: assessment with a spatially-explicit individual-based model [ABSTRACT]. *North American Benthological Society, Annual Meeting, Athens, Georgia, 2003.*

Nichol, A. A. [Nichol, Andrew A.]

1936 19.2058 Large game mammals. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 60-70.

1936 19.2059 Large predator animals. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 70-74.

1938 19.3830 Experimental feeding of deer. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin 75*, 39 pp.

► Includes Kaibab Plateau.

Nicholopoulos, Joy E.

2014 19.4573 Emergency exemption; issuance of emergency permit to capture a suspected gray wolf in the area of the North Rim of the Grand Canyon, Arizona. *Federal Register*, 79(215) (November 6): 65983-65984.

Nielsen, Vance G.; Frank, Nathaniel; AND Afshar, Sam

2019 19.6341 De novo assessment and review of Pan-American pit viper anticoagulant and procoagulant venom activities via kenetomic analyses. *Toxins* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 11(94), doi:10.3390/toxins11020094, 15 pp.

► Data include *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Nimon, Edmon

1975 19.6354 A conservação da natureza ante a exploração econômica da Amazônia. *Revista Brasileira de Geografia* (Fundação Instituto Brasileiro de Geografia e Estatística, Rio de Janeiro), 37(2) (April/June): 34-76. [In Portuguese, with summaries in English and French.]

► See 56, remarks on Kaibab deer.

1982 19.6355 The limits to growth. Comentario bibliográfico. *Revista Brasileira de Geografia* (Fundação Instituto Brasileiro de Geografia e Estatística, Rio de Janeiro), 44(2) (April/June): 369-383. [In Portuguese.]

► English portion of item title accompanied by footnote, "Resumo de informe, sob o título acima, preparado para o *Clube de Roma* e submetido à discussão desse Clube em 1971, em Montebello, Canadá, depois publicado sob forma de livro em muitos

idiomas (no Brasil, pela Editora Perspectiva)." See pp. 380-383, "Anexo: *Síntese a partir, principalmente, do comentário de Bertran Murray Jr. . . . a propósito do informe* The Limits to Growth *do Clube de Roma. O comentário foi publicado no* New York Times Magazine*, dezembro de 1972, com o título de* Continuos [*sic*] Growth or no Growth. What the ecologists can teach the economists." Reference is to Murray (1972, ITEM NO. 19.6245). See in this *Anexo*, p. 381, remarks on Kaibab deer. *NOTE*: The original report — *The limits to growth : the Club of Rome's project on the predicament of mankind*, by Donella H. Meadows, Dennis L. Meadows, Jørgan Randers, and William W. Behrens, III (numerous printings, *e.g.*, New American Library, New York, 1972, A Potomac Associates Book) — is focused on human population growth and its projected demands on resources and effects; it does not itself include any note of the often-cited example of the Kaibab deer population explosion as the result of predator reduction.

"Noah" [Johnston, Tracy]

2000 19.3897 I'm the new Grand Canyon River Otter Reintroduction Program Good Will Ambassador! By "Noah," (as told to Tracy Johnston). *The River Otter Journal* (The River Otter Alliance, Englewood, Colorado), 9(2) (Autumn): 1-2.

► *NOTE*: "Noah" later renamed "Splash". See also Rocky Mountain Ark Wildlife Center, ITEM NO. 19.3898.

Nowak, Erika

1993 19.1250 Amphibian decline on the Colorado Plateau; CPSU seeks baseline data. *Colorado Plateau* (Colorado Plateau Research Station, Northern Arizona University), 3(3) (Summer): 1, 8.

Nutcakes, Nick [*pseudonym*]

2013 19.4480 [Abert and Kaibab squirrels.] *Nuthatch News* (Dixon Park District, Dixon, Illinois), (November): 7.

O'Connor, Jack

1936 19.4702 The Kaibab revisited. *Sports Afield*, (January):.

► Mule deer hunting.

1936 19.2060 Hunting and fishing. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 231-239.

1938 19.6544 Grand Canyon bucks. *Outdoor Life*, (September): 34-35, 83.

► Mule deer hunting on the Kaibab Plateau.

1939 19.3708 Saving the vanishing mountain sheep. *Popular Science Monthly*, 135(4) (October): 136-139, 224.

► See p. 224: "There are, [Andrew A.] Nichol is convinced, no more than 700 bighorns in Arizona, exclusive of the Boulder Dam recreational area and the Grand Canyon National Park, where there may be 700 more. Twenty years ago they probably totaled 4,000."

2012 19.4704 The Kaibab revisited. In this story, originally published in the January 1936 issue of Sports Afield, Jack O'Connor heads to Arizona's famed Kaibab Plateau to find out if it lives up to its reputation as a mule-deer mecca. *Sports Afield*, 235(3) (May/June): 90-97.

► Reprint of O'Connor (1936, ITEM NO. 19.4702).

2012 19.4703 Дежавю—Плато Кайбаб. В етом рассказе, опубликованном впервые в январском номере журнала Sports Afield за 1936 г., Джек О'Коннор направляется на знаменитоые Плато Кайбаб в Аризоне, чтобы выяснит', оправдываыет ли оно ещё свою репутацию земли обетованной для окхотников на чернокхвостых оленей [Dezhavyu—Plato Kaybab. V etom rasskaze, opublikovannom vpervyye v yanvarskom nomere zhurnala Sports Afield za 1936 g., Dzhek O'Konnor napravlyayetsya na znamenitoye Plato Kaybab v Arizone, chtoby vyyasnit', opravdyvayet li ono yeshcho svoyo reputatsiyu zemli obetovannoy dlya okhotnikov na chernokhvostykh oleney]. [Déjà vu—Kaibab Plateau. In this story, published for the first time in the January issue of Sports Afield magazine in 1936, Jack O'Connor heads to the famous Kaibab Plateau in Arizona to find out whether he still justifies his reputation for the land promised for the hunters on the black-tailed deer.] *SportsAfield.ru*, 2012(3): 76-81. [In Russian.]

► Translation of O'Connor (1936, ITEM NO. 19.4702).

O'Farrell, Michael J.

1995 19.2839 *Distribution of the House Rock Valley chisel-toothed kangaroo rat (*Dipodomys microps leucotis *Goldman).* [No place]: O'Farrell Biological Consulting, *for* U.S. Bureau of Land Management, Vermilion Resource Area, and Arizona Game and Fish Department, 22 pp.

2015 19.4800 The night shift; your call may be recorded. *Colorado Plateau Advocate*, (Fall/Winter): 30-31.

► Recording echolocation calls of bats on the Paria Plateau in Vermilion Cliffs National Monument.

O'Gara, Bart W.

1978 19.6419 *Antilocapra americana*. *Mammalian Species*, (90), 7 pp.

Oláh-Hemmings, Viktória; Jaeger, Jef R.; Sredl, Michael J.; Schlaepfer, Martin A.; Jennings, Randy D.; Drost, Charles A.; Bradford, David F.; AND Riddle, Brett R.

2010 19.3295 Phylogeography of declining relict and lowland leopard frogs in the desert Southwest of North America. *Journal of Zoology*, 280(4): 343-354.

Olin, George

1961 19.1257 *Mammals of the Southwest mountains and mesas.* Globe, Arizona: Southwestern Monuments Association, 126 pp. (Popular Series no. 9.)

Oliver, George V.

2000 19.3052 The bats of Utah; a literature review. *Utah Division of Wildlife Resources, Publication 00-14*, 140 pp.

► See *Eumops perotis* (Schinz, 1821), western mastiff bat, pp. 126-127.

Olsen, T. G.; Sharp, M. M.; Dancis, D.; Benson, A.; AND Perry, L.

1982 19.1258 Terrestrial vertebrate use of woody riparian vegetation in Colorado Rim [sic, River] habitats. *In: Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 80-84.

Ortlieb, Claus Peter

1987 19.5023 Simulation dynamischer Vorgänge zur "System Dynamics"—Methode und ihren Problemen. *Hamburger Beiträge zur Angewandten Mathematik* (Reihe C, Mathematische Modelle und Simulation 1), (March), 39 pp. [In German.]

► See "Das Kaibab-Plateau-Modell. Problemstellung." (pp. 4-5). Kaibab Plateau.

Osgood, Wilfred H.

1932 19.2409 American deer. *In:* Gray, Prentiss N. (ed.), *Records of North American big game : published under the auspices of the National Collection of Heads and Horns, New York Zoological Society : a book of the Boone and Crockett Club.* New York: Derrydale Press, pp. 17-35.

► See pp. 18[?], 31.]

O'Toole, Kerry Louise

1998 19.3933 *Science, politics, and wildlife management: The Kaibab deer and Yellowstone elk in comparative perspective.* Master's thesis, University of Wisconsin at Madison, 146 pp.

Owens, James T.

1937 19.6578 Government Hunter No. 1; high spots in the life of a famous guide, hunter and frontiersman. (As told to Annie Dyer Nunn.) *Field and Stream*, 42(1) (May): 40-42, 91, 96.

► Uncle Jim Owens.

P

Packard, Levi

1966 19.2649 Arizona's hunting haven. *Western Gateways*, 6(1): 24-.

► Kaibab Plateau.

Painter, Mikele L.

2003 19.2413 *Foraging ecology of spotted bats (*Euderma maculatum*) on the Kaibab Plateau, Arizona.* Master's thesis, Northern Arizona University, 130 pp.

Palmer, T. S.

1909 19.3698 Progress of game protection in 1908. *U.S. Department of Agriculture, Yearbook, 1908*, pp. 580-590.

► See p. 584: "Grand Canyon Game Refuge, Ariz.—The boundaries of the Grand Canyon refuge were extended by a proclamation under date of June 23, 1908, to include a considerable area south of the canyon, thus making the total area of the game refuge 2,019,008 acres. In the original refuge north of the canyon at the close of the year there were 47 buffalo and cattalo, about 25 or 30 mountain sheep, and 3,000 deer. The buffalo and cattalo are the property of C. J. Jones, who is cooperating with the Department in experiments in breeding cattalo." (ENTIRE NOTE)

1917 19.3110 National monuments as wild-life sanctuaries. *In: Proceedings of the National Parks Conference : held in the auditorium of the new National Museum, Washington, D.C., January 2, 3, 4, 5, and 6, 1917.* Washington, D.C.: U.S. Government Printing Office, pp. 208-225.

► See "Grand Canyon National Monument", pp. 213-215; also p. 222.

Palumbo, Jean

2010 19.5694 *Species fact sheet : Family Ranidae (true frogs) : northern leopard frog :* Lithobates [=Rana] pipiens : *rare species.* [No place]: southwestlearning.org [Learning Center of the American Southwest], [2] pp. ("05.28.2010".) [Includes U.S. National Park Service logo.] [Square brackets are part of title.]

Parks, S. A., AND Harcourt, A. H.

2002 19.2251 Reserve size, local human density, and mammalian extinctions in U.S. protected areas. *Conservation Biology*, 16(3) (June): 800-808.

Patraw, P. P. [Patraw, Preston P.]

1929 19.1279 Flying deer. *Grand Canyon Nature Notes*, 4(2) (October 31): 9-10.

► Eight fawns from the Kaibab herd flown on a Scenic Airways tri-motor from Fredonia to Red Butte, then delivered to Grand Canyon village.

1930 19.1280 Wild burros of the Grand Canyon. *Grand Canyon Nature Notes*, 4(7) (May 31): 43-45.

1932 19.1287 [Cougar near Anita.] *In:* Special Notes [SECTION]. *Grand Canyon Nature Notes*, 6(3): 28.

1994 19.1285 Flying deer. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 128.

► Reprinted from *Grand Canyon Nature Notes*, October, 1929; Kaibab deer sent to South Rim.

1994 19.1286 Wild burros of the Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 134-135.

► Reprinted from *Grand Canyon Nature Notes*, May, 1930.

Patterson, Bruce D.

1981 19.2156 Morphological shifts of some isolated populations of *Eutamias* (Rodentia: Sciuridae) in different congeneric assemblages. *Evolution*, 35(1): 53-66.

Patton, David R.; Ratcliff, Thomas D.; AND Rodgers, Kenneth J.

1976 19.1288 Weight and temperature of the Abert and Kaibab squirrels. *Southwestern Naturalist*, 27(4): 403-411.

Patton, David R.; Wadleigh, Richard L.; AND Hudak, Howard G.

1985 19.1289 The effects of timber harvesting on the Kaibab squirrel. *Journal of Wildlife Management*, 49 (January): 14-19.

Patton, James L.; Huckaby, David G.; AND Álvarez Castañeda, Sergio Ticul

2007 19.4161 *The evolutionary history and a systematic revision of woodrats of the* Neotoma lepida *group.* Berkeley, Los Angeles, and London: University of California Press, 411, [40] pp. (University of California Publications in Zoology, Volume 135.)

Pearson, T. Gilbert

1925 19.4951 Conservative conservation; President [of] Audubon Association delivers forceful address before twentieth annual gathering of association in New York. *Game and Fish Conservationist* (Virginia Department of Game and Inland Fisheries), 4(4) (January/February [*also as* February 1]): 88-89.

► See p. 88, remarks on the speaker's investigation of the Kaibab Plateau deer herd.

Pelletier, John Jay

2024 19.6817 [Letter.] *Arizona Highways*, 100(1) (January): 4.

► Regarding an encounter with a ringtail at the bottom of Hermit Trail, which confiscated a "ramen noodle soup packet (beef flavored)" from a briefly unattended backpack. (The letter was written in response to an item about ringtails in the November 2023 issue.)

Pender, Tim

1993 19.3892 Unit 10 antelope status. *Pronghorn* (Arizona Antelope Foundation), 1(3) (Summer): 1, 4.

Pengelly, W. Leslie

1976 19.3874 Probable causes of the recent decline of mule deer in the western U.S.—A summary. *In:* Workman, Gar W., and Low, Jessob B. (eds.), *Mule Deer Decine in the West : a Symposium : April 1976, Utah State University, College of Natural Resources, Utah Agricultural Experiment Station, Logan, Utah*, pp. 129-133.

► Includes Kaibab Plateau.

Pepper, Choral

1967 19.4391 A little bit of fact about a little bit of horse. *Desert Magazine*, 30(5) (May): 10-11.

► Regarding "miniature horses" said to be from Grand Canyon. Notes the earlier article in *Desert Magazine* by Laura Adams Armer, 23(8) (August 1960): 12-13; see ITEM NO. 19.4390). See also letters from Myrtle Rees, (6) (June): 43 (ITEM NO. 19.4392); Roy L. Modgling, (9) (September): 43 (ITEM NO. 19.4393); and Dorothy Clayton, (12) (December): 43, (ITEM NO. 19.4394). See also L. A. Armer (1960, ITEM NO. 19.4390.

Persio, Andrew F.

NO DATE 19.1301 December 1992 mammal survey along the Colorado River through Grand Canyon, Arizona, December, 1992. *In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay* (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 29-33. [1993.]

Persons, Trevor B., AND Nowak, Erika M.

2006 19.5201 Inventory of amphibians and reptiles in southern Colorado Plateau national parks. *U.S. Geological Survey, Open-File Report 2006-1132*, 186 pp. [Cover title. Title-page: Inventory of amphibians and reptiles in southern Colorado national parks.]

► See "Appendix H. Park Accounts: Grand Canyon National Park", pp. 87-92.

Péterfi, Orsolya; Boda, Francisc; Szabó, Zoltán; Ferencz, Elek; AND Bába, László

2019 19.6342 Hypotensive snake venom components—a mini-review. *Molecules* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 24(2778), doi:10.3390/molecules24152778, 16 pp.

► Data include *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Peters, James A.

1952 19.4342 Catalogue of type specimens in the herpetological collections of the University of Michigan Museum of Zoology. *University of Michigan, Museum of Zoology, Occasional Papers*, (539), 55 pp.

► In catalogue see p. 51, holotype of *Sonora semiannulata gloydi* Stickel, from Bright Angel Trail.

Peterson, Michael E.

2004 19.5329 Reptiles. *From:* Chapter 18, Biotoxins. *In:* Plumlee, Konnie, *Clinical veterinary toxicology.* St. Louis, Missouri: Mosby, pp. 104-111.

► *Crotalus viridis abyssus*, Grand Canyon rattlesnake, listed in Table 18-4, "Rattlesnake Species with Neurotoxic Venom" (p. 108).

Petrie, Jim, AND Porter, Chris

NO DATE 19.3923 *A teacher's guide to* Force of Nature, the David Suzuki movie *: population, consumption and sustainable development.* [No place]: National Film Board of Canada, 36 pp.

► See "Activity 2: The Lesson of the Kaibab Deer", pp. 8-9.

Petterson, Jim R.

1995 19.1304 Before it's too late; beggar sheep prevention through aversive conditioning. *Nature Notes* (Grand Canyon National Park), 11(1): 4.

Pfennig, David W.; Loeb, Michael L. G.; AND Collins, James P.

1991 19.2291 Pathogens as a factor limiting the spread of cannibalism in tiger salamanders. *Oecologia*, 88(2): 161-166.

► Study areas are Kaibab Plateau and Mogollon Rim, Arizona.

Phillips, Arthur M., III; Green, L. T.; AND Ruffner, George A.

1977 19.5773 Investigations of feral burro impact on plant communities, Grand Canyon, Arizona. *In:* Carothers, Steven W., *et al.*, *Biology and ecology of feral burros (*Equus asinus*) at Grand Canyon National Park, Arizona : final research report.* Flagstaff, Arizona: Museum of Northern Arizona, Harold S. Colton Research Center, *for* U.S. National Park Service, Grand Canyon National Park, pp. 20-103.

Pinchot, Gifford

1909 19.3497 *Report of the Forester for 1909.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 28: "The extermination of noxious animals and complete protection of game upon the Wichita and Grand Canyon national game preserves has caused large increases in the number of the game birds and animals." (ENTIRE NOTE)

1910 19.3498 *Report of the Forester for 1910.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 19, note of fire tower "in the Tusayan Forest, near the rim of the Grand Canyon" (no further note); and pp. 44-45, notes on Grand Canyon Game Preserve, including, "Upon the Grand Canyon Preserve the deer have multiplied beyond all expectation . . . ." (no further note)

Plumb, Glenn E., AND McMullen, Craig

2018 19.6742 Bison on the Southwest Colorado Plateau: Conservation at the edge. *Southwestern Naturalist*, 63(1): 42-48.

► House Rock Valley and Grand Canyon North Rim.

Plumb, Glenn E., AND Sucec, Rosemary

2006 19.3520 A bison conservation history in the U.S. national parks. *Journal of the West*, 45(2) (Spring): 22-28.

► See p. 26, House Rock Valley bison herd.

Plumb, Glenn E.; Sturm, Mark; McMullen, Craig; Holm, Greg; Lutch, Carl; Keckler, Chirre; Gatto, Angela; Munig, Amber; AND Wallen, Rick

2016 19.5088 *Grand Canyon bison nativity, genetics, and ecology : looking forward.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 27 pp. (Natural Resource Report NPS/NRSS/BRD/NRR-2016/1226.)

Poché, Richard M.

1975 19.5257 New record of *Euderma maculatum* from Arizona. *Journal of Mammalogy*, 56(4) (November): 931-933.

► Fort Pierce Wash, northern Mohave County.

Pogany, Gilbert C., AND Allred, W. Sylvester

1995 19.1344 Abert's squirrels of the Colorado Plateau: Their reproductive cycle. *In:* Riper, Charles van, III (ed.), *Proceedings of the Second Biennial Conference on Research in Colorado Plateau National Parks*. U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-95/11, pp. 293-305.

2015 19.4757 Abert's squirrels of the Colorado Plateau: Their reproductive cycle [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 23-24.

Poglayen-Neuwall, Ivo, AND Toweill, Dale E.

1988 19.4903 *Bassariscus astutus*. *Mammalian Species*, (327), 8 pp.

► Ringtail.

Pollock, Ed

2005 19.2538 A Grand Canyon turkey, mountain lion and giraffe. *Boatman's Quarterly Review*, 18(3) (Fall): 22-23.

► Sightings (and photographs) of turkey near Morning Star Mine, mountain lion tracks at Whitmore camp, and a bear below Whitmore along the Colorado River.

Pook, Catharine Emma

2001 19.5928 *Evolutionary biology of the Western Rattlesnake, (Serpentes: Viperidae:* Crotalus viridis*): Phylogeny, morphology, and venom evolution.* Doctoral dissertation, University of Wales, 272 pp.

► Includes *Crotalus viridis abyssus*.

Pook, Catharine E.; Wüster, Wolfgang; AND Thorpe, Roger S.

2000 19.2416 Historical biogeography of the Western Rattlesnake (Serpentes: Viperidae: *Crotalus viridis*), inferred from mitochondrial DNA sequence information. *Molecular Phylogenetics and Evolution*, 15(2) (May): 269-282.

Pospeschil, Jodi

2017 19.5546 Academic excellence; collaboration with faculty enhances student experiences at Western. *Western Magazine* (Western Illinois University Alumni, Macomb, Illinois), 69(3) (Summer):4-6.

► See photo by Kenneth Inhgham, p. 7, "Sampling of Actinobacteria from a wing of a pallid bat (Antrozeous pallidus) from the Grand Canyon Parashant National Monument in New Mexico [*sic*]." No text mention; photo apparently for illustrative purposes relating to the portion of the text focusing on the research of Paris Hamm, '15 (pp. 4-5). Grand Canyon-Parashant National Monument, Arizona.

Potter, Randall M.

1980 19.2829 *The development of ponderosa pine cone processing ability in young tassel-eared squirrels (*Sciurus aberti*).* Doctoral dissertation, Miami University (Department of Psychology), 77 pp.

Pregler, Charles Edward

1974 19.4693 *Kaibab mule deer productivity estimates based on ovarian examination.* Master's thesis, University of Arizona, 44 pp.

Prendergast, Neil Douglas

2005 19.2913 *Life in the land: The story of the Kaibab deer.* Master's thesis, Miami University, Oxford, Ohio, 89 pp.

2008 19.2753 Tracking the Kaibab deer into western history. *Western Historical Quarterly*, 39(4) (Winter): 413-438.

Preston, Matthew A., AND Harcourt, Alexander H.

2009 19.6205 Conservation implications of the prevalence and representation of locally extinct mammals in the folklore of Native Americans. *Conservation and Society*, 7(1): 59-69.

► Data include wolf at Grand Canyon National Park; local Native American tribes here listed are Havasupai, Hopi, Hualapai, Navajo, Southern Paiute, and Zuni (see pp. 61, 67).

Q

Quartaroli, Richard D.

2019 19.6086 [Photo of Quartaroli taking notes with five bighorn sheep nearby.] *Boatman's Quarterly Review*, 32(1) (Spring): 48.

► Legend: "September 1996, GCES campsite study for Lisa Kearsley, 6-month post flood trip, I think 2nd Chance camp below Havasu. The herd wouldn't go through until I finally got out of the way."

Quesado, Letícia Barbosa

2009 19.6352 *Interações ecológicas nos livros didácticos do ensino médio.* Post-graduate program thesis, Universidade do Estado do Rio de Janeiro, 100 pp. [In Portuguese.]

► Kaibab deer herd, see pp. 44-45, 76. High-school text referenced for Kaibab notices cited (p. 32) as "Amabis, J. M. & Martho, G. R. *Biologia*. São Paulo: Moderna, 2005".

Quinn, Michael, AND Petterson, Jim

1997 19.1351 From railroads to roosts; bats regain a foothold in the Grand Canyon. *Nature Notes* (Grand Canyon National Park), 13(3) (Fall): 1-2.

► Stanton's Cave.

1997 19.2535 A grand effort in the Grand Canyon; after years of luring curious explorers, a historic cave is reclaimed for the big-eared bats who need it most. *Bats Magazine*, 15(3) (Fall): 4-7.

► Stanton's Cave.

R

Rabe, Michael J.; Siders, Melissa S.; Miller, C. Richard; AND Snow, Tim K.

1998 19.1352 Long foraging distance for a spotted bat (*Euderma maculatum*) in northern Arizona. *Southwestern Naturalist*, 43(2) (June): 266-269.

Rachlow, Janet L.; Lee, Raymond M.; AND Riley, Ryan K.

2003 19.2370 Abnormal antlers and pedicles on Rocky Mountain elk in northern Arizona. *Southwestern Naturalist*, 48(1) (March): 147-153.

► Hualapai Indian Reservation herd established in 1960s with individuals translocated from Yellowstone National Park.

Ramsey, Angela

2012 19.4164 Recent report sheds light on cougar survival in NNSS region. *One Voice* (Nevada National Security Site, Las Vegas), 1(2) (November): 9.

► Includes notices of cougars at Grand Canyon.

Ramsey, Hope

2014 19.5714 Double luck. (As told by Robert Ramsey.) *Muley Crazy* (Kanab, Utah), (November): 21-23.

► Mule deer hunting on Arizona Strip.

Ramsey, Robert

2015 19.5717 "Goofy". *Muley Crazy* (Kanab, Utah), (June): 49.

► Mule deer hunting on Arizona Strip.

Rasmussen, D. I. [Rasmussen, Daniel Irvin]

1932 19.2316 *Biotic communities of the Kaibab Plateau.* Doctoral dissertation, University of Illinois at Urbana-Champaign, 320 pp.

1941 19.1357 Biotic communities of the Kaibab Plateau, Arizona. *Ecological Monographs*, 11: 229-275.

1971 19.1358 *The Kaibab squirrel in the Kaibab National Forest.* Albuquerque: U.S. Forest Service, Southwest Region.

1997 19.2977 [Letter inquiring, "Why did Margaret Wertheim cite the mule deer in the Grand Canyon as an example of an introduced species that causes damage to a habitat?"] *From:* Eating Machines. *In:* Peer Review [LETTERS SECTION]. *The Sciences* (New York Academy of Sciences), 37(1) (January/February): 48.

► Refers to: Wertheim, Margaret, "Unnatural Appetites: Training Bacteria to Snack on Plastic Waste", *The Sciences*, 36(3) (May/June), where the author mentioned, ". . . and introduced species—from mule deer in the Grand Canyon to cane toads in northern Australia . . . ." Reply by Margaret Wetherim pertains only to other, unrelated letters. "Editor's Note: Citing mule deer in the Grand Canyon as an example of habitat damage was not fault of the author's. It was instead the result of an editing error."

Rasmussen, D. I.; Brown, David E.; AND Jones, D.

1975 19.1359 Use of ponderosa pine by tassel-eared squirrels and a key to determine evidence of their use from that of red squirrels and porcupines. *Arizona Game and Fish Department, Wildlife Digest no. 10*, pp. 1-12.

Rasmussen, David I., AND Koehn, Richard K.

1966 19.5728 Serum transferrin polymorphism in the deer mouse. *Genetics*, 54 (December): 1353-1357.

► See p. 1355, note of phenotypes of "wild trapped mice from the North Kaibab Plateau, Arizona".

Ratcliff, Thomas D.

1974 19.2825 *Kaibab squirrel activities in relation to forest characteristics.* Master's thesis, University of Arizona, 39 pp.

Ratcliff, Thomas D.; Patton, David R.; AND Ffolliot, Peter F.

1975 19.1360 Ponderosa pine basal area and the Kaibab squirrel. *Journal of Forestry*, 75(3) (May): 284-286.

Reat, Erin P.; Rhodes, Olin E., Jr.; Heffelfinger, James R.; AND deVos, James C., Jr.

1999 19.5347 Regional genetic differentiation in Arizona pronghorn. *In:* Ockenfels, Richard A. (ed.), *Proceedings of the 18th Biennial Pronghorn Antelope Workshop*, pp. 25-31.

► Study areas include both sides of Grand Canyon, excluding the Hualapai Indian Reservation.

Redburn, Ralph A.

1931 19.5391 [Abert squirrel seen carrying young.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69.

► See report in 5(8) (June): 80-81 (ITEM NO. 19.1364).

1931 19.1364 A mother squirrel transports its young. *Grand Canyon Nature Notes*, 5(8) (June): 80-81.

1931 19.1365 [Lizards congregate to eat bugs killed by generators in the Union Pacific power plant near Roaring Springs.] *Grand Canyon Nature Notes*, 5(9) (July): 93.

1931 19.1368 An experiment in Grand Canyon with the American pronghorn. *Grand Canyon Nature Notes*, 6(1) (November): 10-13.

1932 19.5058 Field observations. *Grand Canyon Nature Notes*, 7(5) (August): 54.

► Mountain lion seen on Cape Royal Road about five miles north of Cape Royal. Also an observation of mother Kaibab squirrel transporting young.

1932 19.1370 A Kaibab squirrel family. *Grand Canyon Nature Notes*, 7(7) (October): 66-68.

1932 19.1371 Mountain lion poses for auto caravan. *Grand Canyon Nature Notes*, 7(8) (November): 85-86.

► North Rim.

1932 19.1372 Mountain sheep record. *In:* Biological Briefs [SECTION]. *Grand Canyon Nature Notes*, 7(9) (December): 94.

► Sighting of a group of Nelson bighorn sheep at base of Redwall near Indian Garden.

1932 19.1373 A coyote tale. *Grand Canyon Nature Notes*, 7(12): 128-129.

► Mearns coyote, North Rim; with special note of "Old Rusty" near Bright Angel Hill, awaiting road-kill meals.

1994 19.1376 . . . The American pronghorn. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 139. [Ellipsis is part of title.]

► Reprinted from *Grand Canyon Nature Notes*, November, 1931.

1994 19.1377 A coyote tale. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 140.

► Reprinted from *Grand Canyon Nature Notes*, March, 1933.

Reed, Robert N.

1995 19.2831 *Ecology of the Grand Canyon rattlesnake,* Crotalus viridis abyssus*, in the Little Colorado River canyon.* Master's thesis, Arizona State University, 98 pp.

2003 19.2401 Courtship and copulation in the Grand Canyon rattlesnake, *Crotalus viridis abyssus*. *Herpetological Review*, 34(2): 111-112.

Reed, Robert N., AND Douglas, Michael E.

2002 19.2225 Ecology of the Grand Canyon rattlesnake (*Crotalus viridis abyssus*) in the Little Colorado River canyon, Arizona. *Southwestern Naturalist*, 47(1) (March): 30-39.

Reed, Sarah E.

2007 19.3126 *Natural and human disturbance factors influencing carnivore distributions and implications for conservation.* Doctoral dissertation, University of California at Berkeley, 226 pp.

► See Chapter 4 (pp. 128-165), "Spatial patterns of carnivore species co-occurrence in Grand Canyon National Park".

2011 19.4917 Non-invasive methods to assess co-occurrence of mammalian carnivores. *Southwestern Naturalist*, 56(2) (June): 231-240.

► Study sites on north and south rims of Grand Canyon during 2003-2005.

Reed, Sarah E., AND Leslie, Elaine F.

2004 19.2531 The relative importance of habitat variables and species co-occurrence for predicting mesocarnivore species presence [ABSTRACT]. *In:* Delach, Aimee (compiler), *Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico.* [No place]: Defenders of Wildlife, p. 28.

2005 19.4783 Patterns of carnivore co-occurrence on the North Rim, Grand Canyon National Park. *In:* Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)

2015 19.4784 Patterns of carnivore co-occurrence on the North Rim, Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 100-101.

Rees, Myrtle

1967 19.4392 Wee folk for wee horses. *In:* Letters From Our Readers [SECTION]. *Desert Magazine*, 30(6) (June): 43.

► In response to Choral Pepper's article on the so-called "miniature horses" said to be from Grand Canyon, in the May issue (Pepper, 1967, ITEM NO. 19.4391).

Reeve, Wayne L.

1952 19.6253 Taxonomy and distribution of the horned lizard genus *Phrynosoma*. *University of Kansas, Science Bulletin*, 34(2)(14) (February 15): 817-960.

Reid, H. L.

1994 19.1387 Director H. L. Reid's 1946 report to the Arizona Game Protective Association; from the files. *In:* Carr, John N. (collector), *It was a rough road! . . . and other Arizona Game and Fish stories.* Phoenix: Heart Track Publications, pp. 37-45. [Ellipsis is part of title.]

► Arizona Game and Fish Department anecdotes. See pp. 40-41, Kaibab deer.

Reiger, George

1989 19.3686 Why save endangered species? *Field and Stream*, 93(8) (January): 15, 17.

► See p. 15, feral horses and burros suggested as food sources for reintroduced California condors.

Reimondo, Evan L.

2012 19.3688 *Ecological impacts and management implications of introduced bison in the Grand Canyon region.* Master's thesis, Northern Arizona University, 93 pp.

Reimondo, Evan L.; Sisk, Thomas D.; AND Theimer, Tad

2015 19.4796 Ecological impacts and management implications of introduced bison in the Grand Canyon region [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A

compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 177.

► Abstract in advance of paper in press *in* Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *Proceedings of the Eleventh Biennial Conference of Research on the Colorado Plateau*.

2015 19.5112 Effects of introduced bison on wetlands of the Kaibab Plateau, Arizona. *In:* Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale.* Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)

Reynolds, Hudson G.

1966 19.3665 Slash cleanup in a ponderosa pine forest affects use by deer and cattle. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-64*, 3 pp.

► Big Springs working circle, Kaibab National Forest.

1966 19.3667 Use of openings in spruce-fir forests of Arizona by elk, deer, and cattle. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-66*, 4 pp.

► Study areas include Kaibab Plateau.

Rhodes, Olin E., Jr.; Reat, Erin P.; Heffelfinger, James R.; AND deVos, James C., Jr.

2000 19.3516 Analysis of reintroduced pronghorn populations in Arizona using mitochondrial DNA markers. *In:* Cancino, Jorge (ed.), *Proceedings of the Nineteenth Biennial Pronghorn Antelope Workshop, 2001* [*sic*]. *Hosted by: Centro de Investigaciones Biológicas del Noroeste, S. C., La Paz, Baja California Sur, México. March 14-17, 2000*, pp. 45-54. [Cover title. Title-page gives dates of workshop as March 13-17, 2000.]

Rhodes, Olin E., Jr.; Williams, Rod N.; Heffelfinger, James R.; Page, Laura K.; Reat, Erin P.; AND deVos, James C., Jr.

1999 19.5256 Genetic variation in pronghorn from Arizona. *In:* Ockenfels, Richard A. (ed.), *Proceedings of the 18th Biennial Pronghorn Antelope Workshop*, pp. 53-63.

► Study areas include both sides of Grand Canyon, excluding the Hualapai Indian Reservation.

Ricci, Jean-Claude

1995 19.4027 Les principes de la cynégétique en forêt. *Forêt Méditerranéenne* (Association Forêt Méditerranéenne, Aix-en-Provence, France), 16(3) (July): 211-226. [In French; with abstracts also in English and Spanish.]

► See p. 212, note on Kaibab deer herd.]

Rich, Steven H.

2006 19.4950 Bless the beasts and the children. Is "nothing" sacred? *Range Magazine*, (Spring): 40-43.

► See pp. 40-41, remarks on bison in Grand Canyon National Park.

Richardson, C. H., Jr.

1912 19.3568 The distribution of *Hyla arenicolor* Cope, with notes on its habits and variation. *American Naturalist*, 46 (October): 605-611.

► Canyon tree frog. Grand Canyon, pp. 607-608.

Riddering, Erin

2005 19.3895 House Rock Ranch antelope transplant . . . Arizona gets pronghorn from Utah. *Pronghorn* (Arizona Antelope Foundation), 11(1) (Winter): 15. [Ellipsis is part of title.]

Riesenberg, Mindy

2020 19.6439 Humans and elk; learning to live with each other. *Canyon Views* (Grand Canyon Conservancy), 27(1) (Spring/Summer): 14-15.

2020 19.6517 Buffalo or "beefalo?" Surprising bison genetic results. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 28-29.

Rink, Glenn R.

2010 19.3123 Bison on the Kaibab. *Canyon Views* (Grand Canyon Association), 16(1) (Spring): 7-8.

2020 19.6562 History of bison on the Kaibab Plateau. *In:* Quartaroli, Richard D. (compiler, ed.), *Celebrating 100 years of Grand Canyon National Park, February 2019 : a gathering of Grand Canyon historians : ideas, arguments, and first-person accounts.* Grand Canyon, Arizona: Grand Canyon Association [and Grand Canyon Historical Society], pp. 17-20.

Riper, Charles van, III; Hatten, James R.; Giermakowski, J. Tom; Mattson, David; Holmes, Jennifer A.; Johnson, Matthew J.; Nowak, Erika M.; Ironside, Kirsten; Peters, Michael; Heinrich, Paul; Cole, Kenneth L.; Truettner, Charles; AND Schwalbe, Cecil R.

2014 19.5695 Projecting climate effects on birds and reptiles of the southwestern United States. *U.S. Geological Survey, Open-File Report 2014-1050*, 100 pp.

Ripple, William J., AND Beschta, Robert L.

2005 19.4182 Linking wolves and plants: Aldo Leopold on trophic cascades. *BioScience*, 55(7) (July): 613-621.

► Includes Kaibab Plateau.

Ritter, Ernest W.

NO DATE 19.2395 *The canyon of midget horses.* Pasadena, California: Ernest W. Ritter, [7] pp. [including wraps]. [*Ca.* 1940-1950.]

► Supposed "miniature horses" of Havasu Canyon.

Robb, Bob

2016 19.5937 DIY on the Kaibab; the quest for outsized muley bucks is never ending. *Successful Hunter* (Prescott, Arizona), 14(5) (September/October): cover, 34-39. [Cover tease reads, "DIY Kaibab Late-Season Success".]

► Do-it-yourself (unguided) hunting of mule deer.

Robinson, Michael

1994 19.5824 Putting the teeth back in the Southwest: The return of the big mammalian predators. *Wild Forest Review* (Portland, Oregon), 1(9) (September/October): 37-40.

► See under "Jaguars" (p. 40), brief remarks on historical records at Grand Canyon.

Rock, Ryna

2006 19.3073 Early history of the North Kaibab; reprinted from AGPA Outdoor News, July 1958. *Arizona Wildlife News* (Arizona Wildlife Federation), 48(4) (Fall): 6, 21. [Arizona Game Protective Association.]

Rocky Mountain Ark Wildlife Center

2000 19.3898 Splash in the Grand Canyon. *The River Otter Journal* (The River Otter Alliance, Englewood, Colorado), 9(2) (Autumn): 3.

► *NOTE*: "Splash" is a river otter "in training" for a possible reintroduction of river otters to the Colorado River in Grand Canyon. [Previously named "Noah"; see under "Noah" ITEM NO. 19.3897.]

Rodríguez Robles, Javier A.; Good, David A.; AND Wake, David B.

2003 19.2933 Brief history of herpetology in the Museum of Vertebrate Zoology, University of California, Berkeley, with a list of type specimens of Recent amphibians and reptiles. *University of California Publications in Zoology, Volume 131*, 119 pp.

► See p. 61, *Sonora semiannulata gloydi* Stickel, from Bright Angel Trail.

Rome, Lori; Quinn, Michael; AND York, Eric C.

2008 19.6365 Science and education working together to promote lion awareness at Grand Canyon [ABSTRACT]. *In:* Toweill, Dale, Nadeau, Steve, and Smith, David (eds.), *Cougars: Past, Present and Future Challenges : 9th Mountain Lion Workshop : proceedings : hosted by Idaho Department of Fish and Game, Sun Valley, Idaho, May 5-8, 2008*, p. 191.

Roosevelt, Theodore, AND Heller, Edmund

1914 19.3173 *Life-histories of African game animals. Volume I.* New York: Charles Scribner's Sons, 420 pp.

► Grand Canyon skunks, pp. 140-141.

Rose, H. B.

1925 19.5810 Those Kaibab deer. *Western Sportologue*, (February 10): 22.

Rosen, P. C.

2004 19.2968 Charles Herbert Lowe Jr. 1920-2002. *Copeia*, 2004(4): 961-972.

► See Fig. 2, "CHL with *Crotalus abyssus* in Grand Canyon, 1951.", p. 962; no other notice of Grand Canyon. *Crotalus viridis abyssus*, Grand Canyon rattlesnake.

Rotstein, G.; Burfield, C.; Langstaff, L.; AND Brinkhuis, S.

1988 19.1407 Small mammal populations within the Colorado River corridor. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 77-81.

Rudner, Ruth

2024 19.6861 Oh, give me a home. Bison have a long history in northern Arizona, one that dates back to the end of the ice age. Not much is known about those early herds, which eventually went extinct. Their contemporary era begins in 1906, when a bison hunter named Charles Jesse "Buffalo" Jones brought a bunch of the woolly mammals to the Kaibab Plateau. *Arizona Highways*, 100(5) (May): 18-23.

► Illustrated with photos by Paul Gill and Jack Dykinga.

Rudner, Ruth, AND Taubert, Bruce D.

2014 19.4450 Something big. *Arizona Highways*, 90(8) (August): 48-49.

► Elk. Includes Grand Canyon.

Rue, Leonard Lee, III

1978 19.1410 *The deer of North America.* New York: Crown (published by Book Division, Times Mirror Magazines, Inc.), 462 pp. (An Outdoor Life book.)

► See pp. 329-331.

Ruffner, George Andrew

1975 19.2880 *Population ecology of rodents in a mixed coniferous forest ecosystem, North Rim, Arizona.* Master's thesis, Texas A&M University, 62 pp.

1977 19.5771 Distribution and population densities of feral burros, Grand Canyon, Arizona. *In:* Carothers, Steven W., *et al.*, *Biology and ecology of feral burros (*Equus asinus*) at Grand Canyon National Park, Arizona : final research report.* Flagstaff, Arizona: Museum of Northern Arizona, Harold S. Colton Research Center, *for* U.S. National Park Service, Grand Canyon National Park, pp. 7-10.

1983 19.4147 *Abundance and distribution of beaver and coyote willow in Grand Canyon, Arizona.* Tempe, Arizona: George A. Ruffner, *for* U.S. National Park Service, Grand Canyon National Park, Resource Management, 23 pp.

Ruffner, George A., AND Carothers, Steven W.

1975 19.1411 Some notes on the distribution of some mammals of the Grand Canyon region. *Plateau*, 47: 154-160.

1977 19.5777 Appendix III. Age structure, condition and reproduction of two feral burro (*Equus asinus*) populations from Grand Canyon National Park, Arizona. *In:* Carothers, Steven W., *et al.*, *Biology and ecology of feral burros (*Equus asinus*) at Grand Canyon National Park, Arizona : final research report.* Flagstaff, Arizona: Museum of Northern Arizona, Harold S. Colton Research Center, *for* U.S. National Park Service, Grand Canyon National Park, pp. 144-169.

► Manuscript of a paper submitted to *Journal of Mammalogy*; but see in fact Ruffner and Carothers (1982, ITEM NO. 19.1411).

1982 19.1412 Age structure, condition and reproduction of two *Equus asinus* (Equidae) populations from Grand Canyon National Park, Arizona. *Southwestern Naturalist*, 27(4): 403-411.

Ruffner, George A., AND Tomko, Dennis S.

1976 19.1413 Mammals of the Colorado River. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 61-107.

Ruffner, George A., AND Phillips, Arthur M., III

1977 19.5770 The setting and the problem. *In:* Carothers, Steven W., *et al.*, *Biology and ecology of feral burros (*Equus asinus*) at Grand Canyon National Park, Arizona : final research report.* Flagstaff, Arizona: Museum of Northern Arizona, Harold S. Colton Research Center, *for* U.S. National Park Service, Grand Canyon National Park, pp. 1-6.

Ruffner, George A.; Czaplewski, Nicholas J.; AND Carothers, Steven W.

1978 19.1414 Distribution and natural history of some mammals from the Inner Gorge of the Grand Canyon, Arizona. *Arizona-Nevada Academy of Science, Journal*, 13(3) (October): 85-91.

Russell, Findlay E.

1969 19.5006 Clinical aspects of snake venom poisoning in North America. *Toxicon*, 7(1) (June): 33-37.

► Includes *Crotalus viridis abyssus*, Grand Canyon rattlesnake.

Russo, John P.

1964 19.1418 The Kaibab North deer herd—its history, problems and management; a research and management study. *Arizona Game and Fish Department, Wildlife Bulletin 7*, 195 pp. [2nd printing 1970.]

Rutherford, Robert M.

1949 19.3835 *Ten years of Pittman-Robertson wildlife restoration.* Washington, D.C.: Wildlife Management Institute, 128 pp.

► See "Buffalo", pp. 24-25. House Rock Valley.

Ryckman, Raymond E.

1986 19.5492 The vertebrate hosts of the Triatominae of North and Central America and the West Indies (Hemiptera: Reduviidae: Triatominae). *Society of Vector Ecologists, Bulletin*, 11(2) (December): 221-241.

► See *Paratriatoma hirsuta hirsuta* Barber, pp. 233-234, which notes collections from "Arizona in *Neotoma* lodges from the Phantom Ranch in the Grand Canyon, Coconino Co." (ENTIRE NOTE)

S

Salganek, S.; Schoenecker, K. A.; Terwilliger, M. L. N.; AND Holm, G.

2022 19.6839 Effects of hunting pressure on resource selection and movement in the Kaibab Plateau bison herd, Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 162-163.

Santucci, Vincent L.

2005 19.2630 Historical perspectives on biodiversity and geodiversity. *The George Wright Forum*, 22(3): 29-34.

► See p. 32, brief remarks on the Abert and Kaibab squirrels in the context of mountain building and orogeny.

Satchell, Michael

1991 19.3540 Can we save the burros? *Parade* [syndicated], (April 27): 4-5.

Satterwhite, Robert

1934 19.1427 A beaver home in Bright Angel Creek. *Grand Canyon Nature Notes*, 9(3) (June): cover, 283-285.

Schellbach, Louis, III

1933 19.5070 [Arizona gray fox near Yavapai Observation Station.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.

Scher, Z.

1977 19.1430 Prisoner in peril. *Empire Magazine* (*Denver Post*), 28 (February 20): 12-17.

► Kaibab squirrel.

Schield, Drew R.; Perry, Blair W.; Adams, Richard H.; Card, Daren C.; Jezkova, Tereza; Pasquesi, Giulia I. M.; Nikolakis, Zachary L.; Row, Kristopher; Meik, Jesse M.; Smith, Cara F.; MacKessy, Stephen P.; AND Castoe, Todd A.

2019 19.6340 Allopatric divergence and secondary contact with gene flow: a recurring theme in rattlesnake speciation. *Linnean Society, Biological Journal*, 128: 149-169 + Supporting Information online.

▶ Data include *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Schmalz, K. L.

1972 19.6339 Naturschutztätigkeit im Kanton Bern—1971. *Naturforschenden Gesellschaft in Bern, Mitteilungen*, 29: 65-90. [In German.]

▶ See pp. 88-89, remarks on Kaibab deer.

Schmidt, Karl P., AND Davis, D. Dwight

1941 19.6854 *Field book of snakes of the United States and Canada.* New York: G. P. Putnam's Sons, 365 pp.

▶ See p. 310, brief note: "Grand Canyon Rattlesnake.—*Crotalus viridis abyssus* Klauber. A large form, in which the adults are bright reddish, with blotches of body almost absent; young similar to *v. viridis*." (ENTIRE NOTE) See also on distribution map for subspecies of the Prairie rattlesnake (*Crotalus viridis*), p. 309.

Schuett, Gordon W.; Feldner, Martin J.; Smith, Charles F.; AND Reisener, Randall S.

2016 19.5925 (EDS.) *Rattlesnakes of Arizona : Volume 1: Species accounts and natural history.* Rodeo, New Mexico: ECO Publishing, 734 pp.

2016 19.5926 (EDS.) *Rattlesnakes of Arizona : Volume 2: Conservation, behavior, venom and evolution.* Rodeo, New Mexico: ECO Publishing, 485 pp.

Schuett, Gordon W.; Smith, Charles F.; AND Ashley, Bob

2018 19.6020 *Rattlesnakes of the Grand Canyon.* Rodeo, New Mexico: ECO Publishing, 131 pp. (ECO Natural History Series.)

Scott, M. Douglas

2004 19.3510 History of pronghorns translocated from Yellowstone National Park. *In: Proceedings of the 21st Biennial Pronghorn Workshop, 2004, May 1-May 4, 2004, Bismarck, North Dakota.* Bismarck, North Dakota: North Dakota Game and Fish Department, pp. 114-133.

▶ See "Transplants From the NBR" (National Bison Range, Montana), to northwestern Arizona, pp. 120, 124.

Scoyen, E. T. [Scoyen, Eivind T.]

1926 19.1439 A few pets. *Grand Canyon Nature Notes*, 1(5) (August 16): 7.

► Hal, a Gila monster; Rattles, a side-winder rattlesnake; Oswald, a baby porcupine; and "a lizard and a few horned toads"; all kept in the Park Information Office.

1926 19.1440 Kaibab deer arrives on South Rim. *Grand Canyon Nature Notes*, 1(6) (September 22): 5-6.

► Comments on the Kaibab deer drive, followed by recollection of "Chummie", a fawn, driven to the South Rim on a two-day automobile trip with ranger Fred Johnson. Special note is made that it is the first and thus far only Kaibab deer to have successfully reached the South Rim.

1927 19.1441 New antelope in the Grand Canyon. *Arizona Wild Life* (Phoenix), 1 (March): 7-9.

1927 19.1442 An experimental repair job. *Grand Canyon Nature Notes*, 1(10) (February 8): cover, 1-4.

► Pronghorn antelope reintroduction to Grand Canyon National Park. Hand-drawn cover art of "Nellie", a pronghorn fawn, signed "ES".

1927 19.3441 Grand Canyon antelope. *U.S. National Parks Bulletin*, 53: 23.

1994 19.1444 Kaibab deer . . . on South Rim. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 127-128. [Ellipsis is part of title.]

► Reprinted from *Grand Canyon Nature Notes*, September, 1926.

1994 19.1445 An experimental repair job. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 137-138.

► Reprinted from *Grand Canyon Nature Notes*, February, 1928; reintroduction of pronghorn antelope.

Searl, Clyde C.

1930 19.1449 Deer antlers. *Grand Canyon Nature Notes*, 4(12) (October 31): contents page, 81.

1931 19.5396 [Abert squirrels at canyon rim.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.

1994 19.1468 Deer antlers. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 131-132.

► Reprinted from *Grand Canyon Nature Notes*, October, 1930.

Seton, Ernest Thompson

1929 19.1469 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the attention of sportsmen, or received the protection of law. Volume I—Part I. Cats, wolves, and foxes.* Garden City, New York: Doubleday, Doran and Co., Inc., 337 pp.

► See p. 91, cougar.

1929 19.1470 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the*

attention of sportsmen, or received the protection of law. Volume III—Part I. Hoofed animals. Garden City, New York: Doubleday, Doran and Co., Inc., 412 pp.

► See pp. 336-337, mule-deer.

1929 19.1471 *Lives of game animals : an account of those land animals in America, north of the Mexican border, which are considered "game," either because they have held the attention of sportsmen, or received the protection of law. Volume IV—Part I. Rodents, etc.* Garden City, New York: Doubleday, Doran and Co., Inc., 440 pp.

► See p. 69, tassel-eared squirrel.

Seymour, Edmund

1923 19.3496 Report of the President. *American Bison Society, Report, 1922-23*, pp. 10-15.

► See pp. 14-15, regarding another party's proposal to establish a herd of antelope on the Tonto Plateau in Grand Canyon.

1931 19.3454 Arizona problems. The Kaibad [*sic*] deer, Arizona bison herd and Grand Canyon park extensions. A report of an investigation made for the American Bison Society in May, 1930. *American Bison Society, Report, 1927-1930*, pp. 33-42.

► Kaibab spelled correctly in text.

Shantz, Homer LeRoy

1948 19.6353 A floresta dos saguaros. *Eu Sei Tudo* (Rio de Janeiro), 31(8)(368) (January): 43-50. [In Portuguese.]

► Regarding the Tucson, Arizona, area and thus geographically extralimital to this bibliography, but see p. 46, remarks on having seen there a deer fawn presumed to have descended from a group of deer that had been transferred from the Kaibab Plateau.

Shaw, Harley G.

1980 19.4010 *Ecology of the mountain lion in Arizona : a final report.* [No place]: Arizona Game and Fish Department, Research Branch, 14 pp. (Federal Aid in Wildlife Restoration Project W-78-R, Work Plan 2, Job 13, July 7, 1977 to June 30, 1980.)

1997 19.3852 The North Kaibab deer herd 1968-1983: The "research" years. *In:* deVos, James C., Jr. (ed.), *Proceedings of the 1997 Deer/Elk Workshop, Rio Rico, Arizona.* [Phoenix]: Arizona Game and Fish Department, pp. 24-31.

Sheldon, Charles

1979 19.1489 *The wilderness of desert bighorns and Seri Indians : the southwestern journals of Charles Sheldon.* Phoenix: Arizona Desert Bighorn Sheep Society, Inc.

► See Chapter 1, The bighorn sheep of the Grand Canyon, pp. 1-9. See also Carmony and Brown (1993, ITEM NO. 19.405).

Sherbrooke, Wade C.

1966 19.2838 *Ecologic distribution of the amphibians and reptiles of the Mt. Trumbull-Toroweap Valley region of northern Arizona.* Master's thesis, University of Arizona, 70 pp.

Sherman, Dave

2002 19.2257 A story of old growth, squirrels and goshawks. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 6.

Shiras, George, 3d

1936 19.1490 *Hunting wild life with camera and flashlight : a record of sixty-five years' visits to the woods and waters of North America. Volume 2. Wild life of coasts, islands, and mountains.* Washington, D.C.: National Geographic Society, 2nd ed., 454 pp. [First edition was in 1935.]

► See Chapter 15, "Mule deer on Kaibab Plateau, Arizona—maladministration", pp. 345-356.

Shoemaker, Philip L.

1976 19.1491 Distribution of feral asses. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 136-140.

Shoemaker, Philip L., AND Carothers, Steven W.

1976 19.4107 Burros threaten parts of Grand Canyon. *National Park Service Newsletter*, 11(8) (June 8): 1-2.

Siders, Melissa S., AND Sinton, David

1998 19.5111 *Artificial bat bark development and testing.* Fredonia, Arizona: U.S. Forest Service, Kaibab National Forest, North Kaibab Ranger Station, *for* Arizona Game and Fish Department, 17 pp. (Arizona Game and Fish Department, IIPAM Heritage Grant I96004 [Identification, Inventory, Acquisition, Protection, and Management].)

Siders, Melissa S., AND Steffensen, Rebecca

1997 19.6156 *Spotted and western mastiff bat roost study of the North Kaibab Ranger District (Coconino County, Arizona) : final report.* Fredonia, Arizona: [U.S. Forest Service], North Kaibab Ranger Station, 7 pp. (Arizona Game and Fish Department, IIPAM Heritage Grant I96003 [Identification, Inventory, Acquisition, Protection, and Management].)

Siders, Melissa S.; Rabe, Michael J.; Snow, Tim K.; AND Yasuda, Kei

1999 19.1949 Long foraging distances in two uncommon bat species (*Euderma maculatum* and *Eumops perotis*) in northern Arizona. *In:* Riper, Charles van, III, and Stuart, Maureen A. (eds.), *Proceedings of the Fourth Biennial Conference of Research on the Colorado Plateau*. U.S. Geological Survey, Report Series, USGSFRESC/COPL/1999/16, pp. 113-122. [U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, Colorado Plateau Field Station, Northern Arizona University, Flagstaff.]

2015 19.4763 Long foraging distances in two uncommon bat species (*Euderma maculatum* and *Eumops perotis*) in northern Arizona [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the

Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 42.

Smith, David Richard

1985 19.3816 *Movements, habitat use, and forage use of reintroduced desert bighorn sheep.* Master's thesis, University of Arizona, 52 pp.

► Portions of Virgin and Beaver Dam Mountains, Nevada-Arizona-Utah.

Smith, Donald D., AND Black, Stuart C.

1984 19.5984 *Animal investigation program for the Nevada Test Site: 1957-1981.* Las Vegas: U.S. Environmental Protection Agency, Office of Research and Development, Environmental Monitoring Systems Laboratory, Nuclear Radiation Assessment Division, *for* U.S. Department of Energy, 69 pp. (Interagency Agreement No. DE-AI08-76DP00539.) (DOI/DEP/0539-050.) (EPA 600/6/84-020.)

► Beef cattle sampling sites include vicinity of Searchlight, Nevada. Other data from Arizona Strip area.

Smith, Jay, AND Prokopich, Virgil

1989 19.1498 Small mammal populations within the Colorado River corridor. *In: Colorado River Investigations VIII : July/August, 1989* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 121-129.

Smith, Michael Scott

1987 19.5424 *Isolation of hemorrhagic toxin b from* Crotalus atrox *venum: Affinity purification of antibodies and their use in neutralization of hemorrhage, detection of the toxin in other snake venoms, and immunohistochemical localization of HTb in skeletal muscle.* Doctoral dissertation, Oklahoma State University, 184 [185] pp.

► *Crotalus viridis abyssus* (Grand Canyon rattlesnake), noted in data, p. 122 and Tables 7, 8.

Sneed, Paul G.

2001 19.2275 The feasibility of gray wolf reintroduction to the Grand Canyon ecoregion. *Endangered Species Update*, 18(4) (July/August): 153-158.

► Includes South and North Rims and Kaibab Plateau. Includes notes on densities of deer, elk, human, and anthropogenic features.

2004 19.5191 Wolves on the edge: the feasibility of restoring endangered grey wolves to the Grand Canyon ecoregion [ABSTRACT]. *In:* Seaton, Robert, and Anderson, Fran (eds.), *Abstracts : SER 2004 : Abstracts of papers, posters, and works in other media presented at the 16th Annual Conference of the Society for Ecological Restoration : Cosponsored by the Canadian Land Reclamation Association and The Society for Ecological Restoration—British Columbia : Aug 24-26[,] 2004, University of Victoria, Victoria, British Columbia, Canada*, p. 123.

Snow, Tim K.; Castner, Shawn V.; AND Noel, Debra C.

1994 19.4220 Bat survey of Roaring Springs Cave (Coconino County, Arizona). *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 58*, 7 pp.

Snyder, Marc A.

1992 19.2164 Selective herbivory by Abert's squirrel mediated by chemical variability in ponderosa pine. *Ecology*, 73(5) (October): 1730-1741.

Soderquist, T. R., AND Middlebrook, N. R.

1984 19.4730 New herpetological records from Arizona north of the Grand Canyon. *Herpetological Review*, 15: 115.

Southern Utah Wilderness Alliance, Center for Biological Diversity

2002 19.3055 *Before the Secretary of the Interior : petition to list the relict leopard frog (*Rana onca*) as an endangered species under the Endangered Species Act.* [No place]: Center for Biological Diversity, Southern Utah Wilderness Alliance, 63 pp.

Spaulding, W. Geoffrey, AND Martin, Paul S.

1979 19.6946 Ground sloth dung of the Guadalupe Mountains. *In:* Genoways, Hugh H., and Baker, Robert J. (eds.), Biological investigatiolns in the Guadalupe Mountains National Park, Texas; proceedings of a symposium held at Texas Tech University, Lubbock, Texas, April 4-5, 1975. *U.S. National Park Service, Proceedings and Transactions Series*, (4): 259-269.

► Paleontological in scope, including Rampart Cave and Muav Cave of Grand Canyon (pp. 260-263, 266). *Also includes comparative analysis of cow dung from the vicinity of Rampart Cave.*

Spears, Fern, AND Spears, George

1984 19.1527 Small mammal populations within the Colorado River corridor. *In:* Beus, Stanley S., and Carothers, Steven W. (eds.), *Colorado River Investigations II : July/August 1983.* Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 143-149.

Spears, George

1984 19.1528 Distribution of beaver in the Grand Canyon: Lee's Ferry to Diamond Creek, Summer 1983. *In:* Beus, Stanley S., and Carothers, Steven W. (eds.), *Colorado River Investigations II : July/August 1983.* Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 150-153.

Springer, Stewart

1928 19.1533 An annotated list of the lizards of Lee's Ferry, Arizona. *Copeia*, (169) (October/December): 100-104.

► Based on specimens taken in the area during 1926 and 1927.

Stahlecker, Dale W.

2004 19.2521 Grand Canyon Rattlesnake preys on juvenile spotted sandpipers. *Southwestern Naturalist*, 49(3) (September): 412-414.

► *Crotalus viridis abyssus*, along Colorado River at Unkar Ruins.

Stall, Chris

1990 19.1535 *Animal tracks of the Southwest : Arizona, New Mexico, southern Nevada, southern Utah, and southwest Colorado.* Seattle, Washington: The Mountaineers, 112 pp.

Starbuck, Clarissa A.; Dickson, Brett G.; AND Chambers, Carol L.

2022 19.6739 Informing wind energy development: Land cover and topography predict occupancy for Arizona bats. *PLoS One*, 17(6): e0268573, https://doi.org/10.1371/journal.pone.0268573, 20 pp.

► Study area includes wind turbine sites southeast, south, and west of Grand Canyon, with detector points throughout the greater Grand Canyon region but not on the lower Colorado River.

Starrett, Bryan

1995 19.5239 In search of the Grand Canyon rattlesnake. *Sonoran Herpetologist* (Tucson Herpetological Society), 8(3) (March 10): 22-27.

► Text is "an edited transcript of a presentation to the Tucson Herpetological Society on 21 June 1994." With questions and answers, pp. 26-27.

States, Jack S., AND Wettstein, Peter J.

1998 19.1540 Food habits and evolutionary relationships of the tassel-eared squirrel (*Sciurus aberti*). *In:* Steele, Michael A., Merritt, Joseph F., and Zegers, David A. (eds.), Ecology and evolutionary biology of tree squirrels; Proceedings of the International Colloquium on the Ecology of Tree Squirrels, Powdermill Biological Station, Carnegie Museum of Natural History, 22-28 April 1994. *Virginia Museum of Natural History, Special Publication 6*, pp. 185-194.

Steele, Michael A.

2001 19.2124 *North American tree squirrels.* Washington, D.C.: Smithsonian Institution Press, 201 pp.

Stegner, Mary Allison

2015 19.6064 *Spatial and temporal variation in mammalian diversity of the Colorado Plateau (USA).* Doctoral dissertation, University of California at Berkeley, 107 pp.

▶ Data include Grand Canyon National Park and Pipe Spring National Monument.

Steinhart, Peter

1981 19.1544 The fossil horse. *Audubon* 83 (March): 8, 10.

▶ Mostly about the feral burro problem.

Stejneger, Leonhard

1890 19.1545 Annotated list of reptiles and batrachians collected by Dr. C. Hart Merriam and Vernon Bailey on the San Francisco Mountain plateau and desert of the Little Colorado, Arizona, with descriptions of new species. *In:* Merriam, C. Hart, Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *U.S. Department of Agriculture, North American Fauna*, (3): 103-118.

Stettler, Brent

2011 19.5328 Western rattlesnake (*Crotalus oreganus*). *Utah Division of Wildlife Resources, Wildlife Notebook Series*, (22), [4] pp.

▶ Includes *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Stickel, William H.

1938 19.4343 The snakes of the genus *Sonora* in the United States and Lower California. *Copeia*, 1938: 182-190.

▶ Includes *Sonora semiannulata gloydi*, new subspecies, from "Bright Angel Trail, Lower Sonoran level of the Grand Canyon".

Stickler, Marjory B.

2000 19.1998 [Letter regarding ringtail cats in Grand Canyon.] *In:* Letters to the editor [SECTION]. *Smithsonian*, 31(7) (October): 21.

Stockwell, Craig Alan

1991 19.1584 Behavioural reactions of desert bighorn sheep to avian scavengers. *Zoological Society of London, Journal*, 225: 563-566.

Stockwell, Craig A., AND Bateman, Gary C.

1987 19.3053 *The impact of helicopter overflights on the foraging behavior of desert bighorn sheep (*Ovis canadensis nelsoni*) at Grand Canyon Natl. Park: Final report.* U.S. National Park Service.

Stockwell, Craig A.; Bateman, Gary C.; AND Berger, Joel

1991 19.1585 Conflicts in national parks: A case study of helicopters and bighorn sheep time budgets at the Grand Canyon. *Biological Conservation*, 56(3): 317-328.

Stone, Jim

2017 19.5611 Executive Director's look at ITBC relationships. *Buffalo Tracks* (Intertribal Buffalo Council, Rapid City, South Dakota), (Winter): 7.

► Includes note, "ITBC hs become a Cooperating Agency with Grand Canyon National Park and the State of Arizona with regards to their efforts to get their buffalo population to a sustainable level and to continue to manage the herd in the future by removals through sharpshooting and live transfer to tribes." (ENTIRE NOTE)

Stone, Steve

2008 19.4184 My first Kaibab buck. *Arizona Outdoorsman*, 7(1): 28-29.

► Hunting.

Stone, Stew

2005 19.3927 Arizona strippin. *Deer Time* (Arizona Deer Association), (Fall): 21-22.

► Mule deer hunting on the Arizona Strip.

Stone, Will

2015 19.5186 Researchers explore threat of pneumonia among bighorn sheep in Grand Canyon. *In:* BHS News [SECTION]. *Goat Tracks* (Journal of the Working Goat) (Boise, Idaho), (Summer):7.

► News item, credited to KJZZ 91.5.

Stone, Witmer

1911 19.1590 On some collections of reptiles and batrachians from the western United States. *Academy of Natural Sciences of Philadelphia, Proceedings*, 63: 222-232.

► See p. 224, amphibian from Mystic Spring Trail.

Strecker, John K., Jr.

1908 19.4652 Notes on the breeding habits of *Phrynosoma cornutum* and other Texas lizards. *Biological Society of Washington, Proceedings* (Washington, D.C.), 21: 165-170.

► See p. 166, quotation of correspondence from A. G. Ruthven, which states: "Mr. Adams, of the University of Chicago, has forwarded to me your letter of April 20 in regard to the horned toad. This specimen is in our Museum here. It is a large example of *P. hernandesi* and was taken in the Grand Canon of Colorado [*sic*], near Bright Angel Trail, on July 10, 1904. It was sent here [University of Michigan] alive and on July 29, gave birth to 13 young." (ENTIRE NOTE) *P. cornutum*, the Texas lizard, also known as a horned toad among other names.

Stroud-Settles, Janice

2015 19.4647 Grand Canyon bats: Understanding a misunderstood mammal. *Canyon Views* (Grand Canyon Association), 22(1) (Spring): 14-15.

Sturdevant, Glen E.[3]

1926 19.1592 Kaibab squirrel (Sciurus kaibabensis). Abert squirrel (Sciurus aberti). *Grand Canyon Nature Notes*, 1(1) (March 6): cover, 1-2.

1926 19.1601 American beaver (Castor canadensis mexicanus). *Grand Canyon Nature Notes*, 1(5) (August 16): cover, 1-4.

1926 19.1602 Courtin' time. *Grand Canyon Nature Notes*, 1(5) (August 16): 5-6. [Deer.]

1926 19.1604 The common skunk (Mephitis mephitis). *Grand Canyon Nature Notes*, 1(7) (November 11): cover, 1-4.

1926 19.1607 Bear? *Grand Canyon Nature Notes*, 1(8) (December 16): 4-5.

► Three putative reports of bear in Grand Canyon: on upper Bright Angel Trail (mountain sheep tracks), near Monument Creek (feral burro tracks), and "near the edge of Grand Canyon village" (dog tracks).

1927 19.18 Mountain sheep visits studio. *Grand Canyon Nature Notes*, 1(12) (May 31): 3-4.

► Kolb Studio.

1927 19.20 Fox holds up party. *Grand Canyon Nature Notes*, 2(1) (June 30): 2.

► South Kaibab Trail, during a visit by John C. Merriam.

1927 19.1611 Cats and polecats. *Grand Canyon Nature Notes*, 2(3) (August 31): 1-2.

► Dario Travanini troubles with animals beneath his home: domestic cats and skunks.

1927 19.1613 "Pal". *Grand Canyon Nature Notes*, 2(3) (August 31): 4.

► Ranger A. L. Brown at Bright Angel Ranger Station, North Rim, adopted deer fawn. "Pal" originally named "Pot" after "the famous lion dog of 'Uncle' Jim Owens" and is popular with tourists. See also Anonymous (1927, ITEM NO. 19.24).]

1927 19.21 Tame deer herd started in Grand Canyon. *Grand Canyon Nature Notes*, 2(5) (October 31): 1-2.

1927 19.22 Pet fawns introduced to snow and rain. *Grand Canyon Nature Notes*, 2(5) (October 31): cover, 3-4.

1927 19.23 A canyon culprit. *Grand Canyon Nature Notes*, 2(5) (October 31): 4.

► Packrats. Regarding Herbert Maier (architect of Yavapai Observation Station, not mentioned by name) having had his spectacles nearly stolen by a packarat at the Pipe Creek cabin.

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[3] Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

1927 19.24 Pal killed by mountain lion. *Grand Canyon Nature Notes*, 2(7) (December 15): 1.

► Kaibab deer. Refer to Sturdevant (1928, ITEM NO. 19.1613).

1927 19.26 Antelope reveals goat traits. *Grand Canyon Nature Notes*, 2(7) (December 15): 2.

1927 19.27 "Smoky" is an apt pupil. *Grand Canyon Nature Notes*, 2(7) (December 15): 2.

► Deer fawn at Grand Canyon village.

1927 19.28 Mountain sheep observed on canyon rim. *Grand Canyon Nature Notes*, 2(7) (December 15): 3.

► Sighted at Yavapai Observation Station under construction.

1928 19.30 Nesting and food habits of the Abert squirrel at Grand Canyon. *Grand Canyon Nature Notes*, 2(8) (January 30): cover, 1-3.

► Examination of twelve nests, South Rim.

1928 19.1618 Champion barker? *Grand Canyon Nature Notes*, 2(10) (March 31): 1-2.

► Chipmunks.

1928 19.1620 Mountain sheep leads way up trail. *Grand Canyon Nature Notes*, 2(10) (March 31): 4.

► Bright Angel Trail.

1928 19.1619 Deer leaps 1700 feet to death. *Grand Canyon Nature Notes*, 2(10) (March 31): 4.

► Pet fawn at Yavapai Point.

1928 19.31 Inspecting a possible trout stream of Grand Canyon. *Grand Canyon Nature Notes*, 2(11) (April 30): cover, 1-6 [entire issue].

► Clear Creek. Unsigned, but author is Glen E. Sturdevant, as indicated in a reprint of this article in *Progressive Arizona and the Great Southwest* (Sturdevant, 1928, ITEM NO. 19.1622). See also hand-drawn cover illustration, "Deer Horn shed on Tonto Plateau", signed "ES" (noted pp. 1-2).

1928 19.33 Hermit steer of the canyon. *Grand Canyon Nature Notes*, 2(12) (May 31): 1-2.

1928 19.5374 Deer arrive at Bright Angel Point. *Grand Canyon Nature Notes*, 2(12) (May 31): 2.

1928 19.35 Kaibab squirrel plentiful. *Grand Canyon Nature Notes*, 2(12) (May 31): 3.

1928 19.5375 Lading of the Colorado River. *Grand Canyon Nature Notes*, 2(12) (May 31): 4.

► Observations of debris and domestic stock seen floating down the Colorado. Note of a "buffalo", which was identified by Havasupai Indians (who had just carried down a galvanized steel cable for the construction of Kaibab Bridge) as a "red and white cow".

1928 19.37 Antelope for burros. *Grand Canyon Nature Notes*, 3(1) (June 30): 1-2.

1928 19.38 Kaibab fawn captured. *Grand Canyon Nature Notes*, 3(1) (June 30): 2.

1928 19.40 Mountain sheep comes up Bright Angel Trail. *Grand Canyon Nature Notes*, 3(1) (June 30): 4.

1928 19.47 Champion barker. *Nature Magazine*, 12 (July): 6.

► Without by-line, but reprinted from Sturdevant item in *Grand Canyon Nature Notes* (see ITEM NO. 19.1618).

1928 19.42 Stubby. *Grand Canyon Nature Notes*, 3(3) (August 31): cover, 1-2.

► Lizard, *Sceloporus magister*, living at U.S. Geological Survey cottage at Grand Canyon village; observed by A. H. Wilson.

1929 19.49 In time for refreshments. *Grand Canyon Nature Notes*, 3(7) (January 15): 3-4.

► Deer looks in window during a meeting of the ladies' Grand Canyon Study Club.

1929 19.1624 Fawns arrive from Kaibab. *Grand Canyon Nature Notes*, 3(8) (February 28): 4-5.

1929 19.1625 Beaver at Phantom Ranch. *Grand Canyon Nature Notes*, 3(8) (February 28): 5-6.

1994 19.1634 Champion barker. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 110-111.

► Reprinted from *Grand Canyon Nature Notes*, March, 1928; chipmunk.

1994 19.1635 Kaibab squirrel; Abert squirrel. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 114-115.

► Reprinted from *Grand Canyon Nature Notes*, March, 1926.

1994 19.1636 The common skunk. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 122-123.

► Reprinted from *Grand Canyon Nature Notes*, November, 1926.

Sturdevant, Glen E. (Mrs.) [Sturdevant, Eileen Fourcade (MacNicol)]

1928 19.1638 Oswald. *Grand Canyon Nature Notes*, 3(3) (August 31): 4-5.

► Field mouse.

1928 19.1640 Ring-tailed cats. *Grand Canyon Nature Notes*, 3(5) (October 31): cover, 3-4.

1994 19.1642 Ringtailed cats. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 120-122.

► Reprinted from *Grand Canyon Nature Notes*, October, 1928.

Sullivan, Larry

2003 19.4289 Rodent management. *In:* Baker, Paul B., and Carlo, Louis (compilers), *Agricultural fumigation guide for the Arizona Private Pesticide Applicator Certification : updated December 5, 2003.* Tucson: University of Arizona, Pesticide Information and Training Office, *for* Arizona Department of Agriculture, p. 10.

► Notes briefly: "Although Norway rats [*Rattus norvegicus*] have often been reported in Arizona, they have only been positively identified, to date, on two occasions. A Norway rat was identified taken from Tucson, in 1893 and one taken near the Grand Canyon in 1958." (ENTIRE NOTE)

Suttkus, Royal D.; Clemmer, Glenn H.; AND Jones, Clyde

1978 19.1651 Mammals of the riparian region of the Colorado River in the Grand Canyon area of Arizona. *Tulane University, Museum of Natural History, Occasional Papers*, (2), 23 pp.

Suttkus, Royal D.; Clemmer, Glenn H.; Jones, Clyde, AND Shoop, C. Robert

1976 19.1652 *Survey of fishes, mammals, and herpetofauna of the Colorado River in Grand Canyon.* New Orleans, Louisiana: Tulane University, *Colorado River Research Program, Technical Report 5* (Grand Canyon National Park, Colorado River Research Series, Contribution 34), 48 pp. (National Technical Information Service PB 267718/AS.) [Title-page carries title: *Survey of fishes, mammals and herpetofauna of the Colorado River and adjacent riparian areas of the Grand Canyon National Park*.]

Sutton, Ann, AND Sutton, Myron

1955 19.1653 Arizona's tassel-eared clowns. *Arizona Highways*, 31(6) (June): 38-39.

► Squirrels.

Swank, Wendell G.

1997 19.3851 History of the Kaibab deer herd, beginning to 1968. *In:* deVos, James C., Jr. (ed.), *Proceedings of the 1997 Deer/Elk Workshop, Rio Rico, Arizona.* [Phoenix]: Arizona Game and Fish Department, pp. 14-23.

Sylvain, Diane

2011 19.3371 The one-eyed squirrel of Ooh-Aah Point. *High Country News*, (May 30):.

Sylvester, Alfred W.; Gaud, William S.; AND States, Jack S.

1994 19.1657 Effects of herbivory by Abert squirrels (*Sciurus aberti*) on cone crops of ponderosa pine. *Journal of Mammalogy*, 75(3): 700-703.

T

Tanner, Vasco M.

1939 19.6359 A study of the genus *Scaphiopus*; the spade-foot toads. *Great Basin Naturalist*, 1(1) (July 25): 3-21, 23, 25.

► See *Scaphiopus intermontanus* (Cope), Great Basin spacefoot toad (pp. 13-16, Plates 2, 3); material examined includes "Jacobs Lake, Kaibab Forest, July, 1927, V. M. Tanner" (ENTIRE NOTE).

Tanner, Wilmer W.

1953 19.5590 A study of taxonomy and phylogeny of *Lampropeltis pyromelana* Cope. *Great Basin Naturalist*, 13(1/2) (September 12): 47-66.

► See *Lampropettis* [sic] *p. infralabials* [sic], new subspecies (pp. 56-60); paratypes include "Grand Canyon Collection R3, R260-2, R291, R372, and UU 21 all from or near

Bright Angel Point, North Rim of Grand Canyon". Taxon spelled correctly in key to subpsecies (p. 60) and elsewhere throughout paper: *Lampropeltis infralabialis*.

1957 19.5005 A taxonomic and ecological study of the western skink (*Eumeces skiltonianus*). *Great Basin Naturalist*, 17(3/4) (December 31): 59-94.

► Includes *E. s. utahensis* in Kaibab Plateau region.

Taylor, Jan

2009 19.2975 Snake charmer. *Grand Canyon River Runner*, (8) (Spring): 10-11.

► Rattlesnake at Elves Chasm.

Taylor, John R.

2013 19.4100 Bat research and interpretive programming; increasing public interest in Pipe Spring National Monument. *Park Science* (U.S. National Park Service), 30(1) (Summer): 14-19.

Taylor, Ronald B.

1976 19.6756 The burro or the bighorn? The nonnative feral burro must be eliminated form Death Valley National Monument if the native desert bighorn sheep is to survive in one of its last refuges. *National Parks and Conservation Magazine*, 51(9) (September): 10-14.

► Includes extended remarks on the burro problem in Grand Canyon, p. 14.

Taylor, Walter P.

1935 19.1661 Ecology and life history of the porcupine (*Erethizon epixanthum*) as related to the forests of Arizona and the southwestern United States. *University of Arizona, Bulletin*, 7(5) (Biological Science Bulletin, 3), 177 pp.

Teale, Edwin

1937 19.3116 Explorers hunt prehistoric animals in lost worlds; in remote corners of the earth, cut off from the rest of the world for countless centuries, scientists are discovering strange creatures that survived from the days of the cave men. *Popular Science Monthly*, 131(5) (November): 42-43, 138.

► Includes prominently the proposed Shiva Temple expedition in Grand Canyon.

Teo, Sum Lim [张森林]

2018 19.6651 朝向一种环境伦理：马、新华文诗文中 的生态书写 *(1976-2016)* [Cháoxiàng zhǒng huánjìng lúnlǐ: Mǎ, xīnhuá wén shī wén zhōng de shēngtài shūxiě (1976-2016)]. *Towards an environmental ethics: A study of ecology writing in Malaysia and Singapore's Chinese poetry and proses (1976-2016).* Doctoral dissertation, Nanyang Technological University, Singapore. [In Chinese, with bilingual title and abstract.]

► See p. 214, brief remarks on the Kaibab Plateau deer overpopulation problem.

Terwilliger, Miranda

2020 19.6518 Grand Canyon bison herd reduction update. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 23-27.

2023 19.6794 Wildlife projects on the North Rim. *Canyon Views* (Grand Canyon Conservancy), 30(2) (Spring/Summer): 6-9.

► Includes bison and Kaibab squirrel.

2023 19.6813 Bringing bison into balance with the landscape. *Canyon Views* (Grand Canyon Conservancy), 30(3) (Winter 2023/2024): 4-5.

Terwilliger, Miranda L. N., AND Holm, Gregory

2022 19.6844 Grand Canyon National Park bison herd reduction [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 183.

Terwilliger, Miranda L. N.; Hartway, Cynthia R.; Schoenecker, Kate A.; Holm, Gregory; Zeigenfuss, Linda C.; Swan, Megan; Salganek, D. Skye; Buttke, Danielle; AND Musto, Dana T.

2020 19.6691 *Management of the Kaibab Plateau bison herd in Grand Canyon National Park : 2019-2019 operations report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 46 pp. (*U.S. National Park Service, Natural Resource Report NPS/GRCA/NRR—2020/2167*.)

Theimer, Tad C.; Drost, Charles A.; O'Donnell, Ryan P.; AND Mock, Karen E.

2011 19.3519 Population status and population genetics of northern leopard frogs in Arizona. *U.S. Geological Survey, Open-File Report 2011-1186*, 36 pp.

Theimer, Tad C.; Sprague, Scott; Eddy, Ellyce; AND Benford, Russell

2012 19.3638 *Genetic variation of pronghorn across US Route 89 and State Route 64.* Flagstaff, Arizona: Northern Arizona University, *for* Arizona Department of Transportation, *in cooperation with* U.S. Federal Highway Administration, 32 pp. (Report No. FHWA-AZ-12-659.)

Thevenin, Art

2018 19.5968 That's not a bighorn . . . and that's not a bobcat . . . *Boatman's Quarterly Review*, 31(3) (Fall): 26-27. [Ellipses are part of title.]

► Cinnamon black bear sighting above Badger Rapid, and mountain lion sighting at Vasey's Paradise; both illustrated with photos.

Thomas, Gail Raabe

1979 19.2827 *The role of phloem sugars in the selection of ponderosa pine by the Kaibab squirrel.* Master's thesis, San Francisco State University, 62 pp.

Thompson, Helen

2007 19.2673 Desert bighorn sheep study in Grand Canyon National Park. *Boatman's Quarterly Review*, 20(3) (Fall): 12.

Thompson, Luke

2008 19.5253 Arizona Strip—a lasting legacy? *Huntin' Fool* (Cedar City, Utah), (August): 32-34.

▶ Mule deer ecology and hunting.

Thybony, Scott

1978 19.3260 [Letter.] *From:* Bullets for Burros? *In:* Letters [SECTION]. *Backpacker*, 6(6) (December 1978/January 1979) (30): 9.

▶ In response to the article by Lionel A. Atwill, "Up to Our Ears in Asses", 6(4) (28), ITEM NO. 19.2455.

Ticer, Cindy L., AND Ockenfels, Richard A.

2000 19.3517 A validation of Arizona's landscape-level pronghorn habitat model. *In:* Cancino, Jorge (ed.), *Proceedings of the Nineteenth Biennial Pronghorn Antelope Workshop, 2001* [*sic*]. *Hosted by: Centro de Investigaciones Biológicas del Noroeste, S. C., La Paz, Baja California Sur, México. March 14-17, 2000*, pp. 63-70. [Cover title. Title-page gives dates of workshop as March 13-17, 2000.]

▶ Study area in Cataract Creek vicinity.

Tighe, Kelly, AND Cordano, Marty

2003 19.2350 Shy sprites of the ponderosa pine forests. *Arizona Highways*, 79(3) (March): 36-37.

▶ Tassel-eared squirrels.

Tınas, Dilara

2014 19.6347 Çevre etigi bilincinin oluşumunda din ve din egitimi faktörü. The role of religion and religious education in shaping the consciousness of environmental ethics. *Toplum Bilimleri* [Journal of Social Sciences] (Turkey), 8(16) (July): 267-292. [In Turkish, with title and abstract also in English.]

▶ See p. 286, reference to and brief discussion of environmental balance of Kaibab deer (referred to, in translation here, as "a gazelle species called Kaibab in Arizona"); citing Kula (2000, ITEM NO. 19.6345).

Tixier, Stan

2012 19.5000 OldSmokeys can help Bill Hurst save Kaibab squirrel. *OldSmokeys Newsletter* (Pacific Northwest Forest Service Association retirees, Portland, Oregon), (Fall): 11.

▶ Friends of the Kaibab Squirrel.

2012 19.4166 Friends of the Kaibab Squirrel. *Old Timers' News* (U.S. Forest Service Old Timers Club, Intermountain Region and Station, Ogden, Utah), 46(3) (October): 15.

► Friends of the Kaibab Squirrel, a new, web-based organization "to help assure the perpetuation and long-term survival" of the Kaibab squirrel. A "Kaibab Squirrel" pin is illustrated.

Tolisano, Jim

1995 19.3392 Wolves and grass: A watershed perspective on the Mexican Wolf recovery plan. *In:* DeBano, Leonard F., Gottfried, Gerald J., Hambre, Robert H., Edminster, Carleton B., Ffolliott, Peter F., and Ortega-Rubio, Alfredo (technical coordinators), Biodiversity and management of the Madrean Archipelago: The sky islands of southwestern United States and northwestern Mexico, September 19-23, 1994, Tucson, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-264*, pp. 558-567.

► Historic range extends to South Rim of Grand Canyon.

Tolleson, Doug; Halstead, Lacey; Howery, Larry; Schafer, Dave; Prince, Stephen; AND Banik, Kris

2012 19.4460 The effects of a rotational cattle grazing system on elk diets in Arizona piñon-juniper rangeland. *Rangelands*, 34(1) (February): cover, 19-25.

Tomko, Dennis S.

1975 19.1677 The reptiles and amphibians of the Grand Canyon region. *Plateau*, 47: 161-166.

1976 19.1678 (COMPILER) *Grand Canyon amphibians and reptiles : field check list.* Grand Canyon Natural History Association, 4 pp.

1976 19.1679 *Rana pipiens* (Ranidae) in the Grand Canyon of the Colorado River, Arizona. *Southwestern Naturalist*, 21(1) (March): 131.

1976 19.1680 Dietary characteristics of some Grand Canyon amphibians and reptiles. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 45-54.

1976 19.1681 Demography of three species of Grand Canyon lizards. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 55-60.

Tooker, Jack

1931 19.5103 Lions of the Kaibab Forest. *Outdoor Life*, 68(1) (July): 7-9, 70, (2) (August): 13-15, 72.

2003 19.5019 Canyon of the little horses. *North American BioFortean Review*, 5(2) (11) (July): 45-47.

► Reprinted from the *American Weekly Magazine* in the San Francisco *Examiner*, Sunday, February 25, 1940, pp. 8-9. Havasupai "pygmy" or "miniature" horses.

Travis, Steven E., AND Keim, Paul

1995 19.1693 Differentiating individuals and populations of mule deer using DNA. *Journal of Wildlife Management*, 59(4): 824-831.

► "We collected tissue samples from harvested mule deer at hunter check stations in Kaibab National Forest adjacent to the North and South rims of the Grand Canyon during 1986."

Trefethen, James B.

1961 19.6231 *Crusade for wildlife : highlights in conservation progress.* Harrisburg, Pennsylvania: Stackpole Company, and Boone and Crocket Club, 377 pp.

► Includes Kaibab deer.

1967 19.1695 The terrible lesson of the Kaibab deer overpopulation. *National Wildlife*, 5(4) (June/July): 4-9.

1967 19.6232 *The terrible lesson of the Kaibab.* [Boise, Idaho]: Idaho Fish and Game Department, [6 pp.]

► "Reprinted by the Idaho Fish and Game Department, Courtesy The National Wildlife magazine (June-July issue, 1967)". Reprinting, retaining original pagination, of Trefethen (1967, ITEM NO. 19.1695).

1968 19.6233 Kaibab told bitter but needed lesson. *South Carolina Wildlife*, 15(3): 56-64.

1985 19.6234 *An American crusade for wildlife.* Alexandria, Virginia: Boone and Crocket Club, 409 pp.

► Includes Kaibab deer.

Trimble, M.; Opalak, M.; Perry, L.; AND Iaquinto, P.

1982 19.1696 Small mammal populations in riparian and desert habitats within the Colorado River corridor. *In: Colorado River Investigations I : July/August 1982.* Flagstaff, Arizona: Northern Arizona University, and Museum of Northern Arizona, pp. 77-79.

Trouessart, E.-L.

1898 19.3222 *Catalogus mammalium : tam viventium quam fossilium. Fasciculus IV. Tillodontia et Ungulata.* Berolini: R. Friedländer und Sohn, pp. 665-998. [Notations in Latin.]

► See *Ovis cervina*, pp. 978-979; Grand Canyon, *in passing*.

Truett, Joe

1996 19.5654 Bison and elk in the American Southwest: In search of the pristine. *Environmental Management*, 20(2): 195-206.

► Includes House Rock Valley.

Tueller, Paul T.

1976 19.3873 Deer range improvement and mule deer management. *In:* Workman, Gar W., and Low, Jessob B. (eds.), *Mule Deer Decline in the West : a Symposium : April 1976, Utah State University, College of Natural Resources, Utah Agricultural Experiment Station, Logan, Utah*, pp. 55-66.

► Includes Kaibab Plateau.

Turbak, Gary

1987 19.1698 Prisoner of geography. *National Wildlife*, 25 (February/March): 14-17.

► Kaibab squirrel.

1987 19.1699 The squirrel that time forgot. *Arizona Highways*, 63(7) (July): 12-13.

Turkowski, Frank J., AND Lewis, Anthony W.

1974 19.1700 Distribution records of some Arizona mammals. *Arizona Academy of Science, Journal*, 9: 89-90.

Turkowski, Frank J., AND Reynolds, Hudson G.

1970 19.1701 Response of some rodent populations to pinyon-juniper reduction on the Kaibab Plateau, Arizona. *Southwestern Naturalist*, 15(1): 23-27.

Tuttle, Stuart L.; Chambers, Carol L.; AND Theimer, Tad C.

2006 19.6615 Potential effects of livestock water-trough modifications on bats in northern Arizona. *Wildlife Society Bulletin*, 34(3): 602-608.

► Supplementary study areas on two sites at House Rock Wildlife Area "on the north rim of the Grand Canyon" and another site 19 km north of House Rock.

2011 19.6616 Potential effects of livestock water-trough modifications on bats in northern Arizona. *In: Bat Conservation International : Bat Conservation and Management Workshop : course booklet : Portal, Arizona 2011.* [No place]: Bat Conservation International, pp. 60-67.

► Reset reprinting of Tuttle *et al.* (2006, ITEM NO. 19.6615). Supplementary study areas on two sites at House Rock Wildlife Area "on the north rim of the Grand Canyon" and another site 19 km north of House Rock.

Tweit, Susan J.

2008 19.3755 Misty's legacy. *National Parks*, 82(4) (Fall): 32-38.

► Principally about the feral horses of Assateague Island but includes Grand Canyon feral burros.

Tyler, Carol F.

1931 19.1705 Bats. *Grand Canyon Nature Notes*, 5(9) (July): cover, 84-86.

U

Underwood, Sally

2003 19.2440 Froggy cacophony. *Canyon Views* (Grand Canyon Association), 9(4) (Winter): 5.

U.S. Bureau of Land Management, [Arizona State Office]

1963 19.6009 *Big game on BLM administered public lands of the United States in Arizona.* Phoenix: U.S. Bureau of Land Management, Office of the State Director, 24 pp.

► Includes Arizona Strip.

U.S. Department of the Interior, Bison Leadership Team and Working Group

2014 19.4949 *DOI bison report : looking forward.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 73 pp. (U.S. National Park Service, Natural Resource Report NPS/NRSS/BRMD/NRR-2014/821.)

► Grand Canyon National Park, pp. 4, 6, 15, 23.

U.S. Fish and Wildlife Service

1998 19.6410 *Black-footed ferret :* Mustela nigripes. [No place]: U.S. Fish and Wildlife Service, 2 pp. [Fact sheet.]

► Includes note of Aubrey Valley, Arizona.

U.S. Fish and Wildlife Service; Black-footed Ferret Recovery Implementation Team; AND International Union for Conservation of Nature, Species Survival Commission, Conservation Breeding Specialist Group

2004 19.6406 *Black-footed Ferret Population Management Planning Workshop : 10-13 June 2003, Denver, Colorado : final report.* Apple Valley, Minnesota: International Union for Conservation of Nature, Conservation Breeding Specialist Group, 130 pp.

► See in "Habitat, Disease and Reintroduction Working Group Report", notes on Aubrey Valley, Arizona (pp. 63, 91).

U.S. National Museum

1905 19.3677 Appendix II. List of accessions, 1902-3. *From:* Report of the U. S. National Museum, under the direction of the Smithsonian Institution, for the year ending June 30, 1903. *In: Annual report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures, and condition of the institution for the year ending June 30, 1903. Report of the U. S. National Museum.* Washington, D.C.: U.S. Government Printing Office, pp. 95-.

► See p. 139: "Walcott, Hon. C. D. . . . Snake (*Eutænia vagrans*), from Grand Cañon, Arizona . . . ." (no further note)

U.S. National Park Service, Grand Canyon National Park

NO DATE 19.4291 *Bison Management Plan and Environmental Impact Statement : Grand Canyon National Park : public scoping.* U.S. National Park Service, Grand Canyon National Park, 8 pp. [Newsletter. Spring 2014. One issue only?]

NO DATE 19.4942 *Bison herd reduction Environmental Assessment : Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 4 pp. [February 2016.]

► 30-day comment period.

NO DATE 19.6179 *Bats and White Nose Syndrome.* U.S. National Park Service, Grand Canyon National Park, 4 pp. [2019.] [Fact sheet.]

1976 19.1724 *Feral burro management plan and environmental assessment, Grand Canyon National Park.* Washington, D.C.: U.S. Government Printing Office, 74 pp.

1979 19.6721 *Burro population and distribution in Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 7 pp.

1979 19.6722 *Immobilization and herding feasibility studies in Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 12 pp.

► Burro management.

1979 19.1725 *Proposed feral burro management and ecosystem restoration plan and draft environmental statement, Grand Canyon National Park, Arizona.* U.S. National Park Service, Grand Canyon National Park, SEPARATELY PAGINATED SECTIONS [150 pp. total]. (DES 79-4.) [Cover title omits "Proposed" from title.]

1980 19.1726 *Feral burro management and ecosystem restoration plan and final environmental statement, Grand Canyon National Park, Arizona.* U.S. National Park Service, Grand Canyon National Park, [*ca.* 130 pp.]

2005 19.2684 *Shadows in the night.* U.S. National Park Service, Grand Canyon National Park, folded brochure.

► Bats.

2014 19.4492 Grand Canyon National Park Bison Management Plan/Environmental Impact Statement; public scoping frequently asked questions. *Buffalo Tracks* (Intertribal Buffalo Council, Rapid City, South Dakota), (Summer): 16-18.

2017 19.5421 *Initial bison herd reduction Environmental Assessment : Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 188 pp.

U.S. National Park Service, Grand Canyon National Park, Interpretive Staff

1976 19.659 (COMPILERS) *Grand Canyon mammals : field check list.* Grand Canyon Natural History Association, 6 pp. [1968]

U.S. National Park Service, Grand Canyon National Park, NPS Biological Resource Management Division

2014 19.4894 *Desert bighorn sheep: Science and conservation.* U.S. National Park Service, Grand Canyon National Park, NPS Biological Resource Management Division, [2] pp. [Fact sheet.]

U.S. National Park Service, Western Region

1980 19.1727 *Proposed feral burro management and ecosystem restoration plan and final environmental statement.* [No imprint], 259 pp.

U.S. National Research Council, Commission on Natural Resources, Board on Agriculture and Renewable Resources, Committee on Wild and Free-Roaming Horses and Burros

1980 19.3113 *Wild and free-roaming horses and burros: Current knowledge and recommended research.* Washington, D.C.: National Academy Press, 382 pp.

U.S. Senate, Committee on Energy and Natural Resources, Subcommittee on Public Lands and Resources

1977 19.6647 *Wild Free-Roaming Horses and Burros Act : hearing before the Subcommittee on Public Lands and Resources of the Committee on Energy and Natural Resources, United States Senate, Ninety-fifth Congress, First Session, on oversight of the Wild Free-Roaming Horses and Burros Act of 1971, May 23, 1977 : Publication No. 95-60.* Washington, D.C.: U.S. Government Printing Office, 202 pp.

► Grand Canyon, *passim*.

Unmacht, Jim

2006 19.3522 "Big Titonka". *Pronghorn* (Arizona Antelope Foundation), 12(4) (4th Quarter): 8-10.

► Buffalo hunting, House Rock Valley.

V

Valdez, Ernest W.

2015 19.4875 Habitat use by bats at and near uranium mines within the Grand Canyon National Park region [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 84.

2015 19.4908 Habitat use and feeding ecology of bats at uranium mines and adjacent lands of Grand Canyon [ABSTRACT]. *In: Abstracts, 45th Annual Symposium, North American Society for Bat Research, Monterey, CA, October 28th-31st[,] 2015*, p. 94.

Van Cura, Nancy J., AND Hoffmeister, Donald F.

1966 19.3998 A taxonomic review of the grasshopper mice, *Onychomys*, in Arizona. *Journal of Mammalogy*, 47(4) (December): 613-630.

► See (immature specimens listed in parentheses):
Onychomys leucogaster fuliginosus Merriam (pp. 622-624); specimens examined include "Coconino Co.: Lower end Prospect Valley, 4,500 ft, Hualpai Ind. Res., 6 (2) (U. S. Biol. Surv. Coll.); 6 mi. E Peach Spring, 2 (age not recorded, Univ.

Michigan); Aubrey Valley, 10 mi. S Pine Spring, 6,000 ft, 6 (age not recorded, U. S. Biol. Surv. Coll.); Pasture Wash, Grand Canyon Natl. Park, - (4); 1 mi. S Pasture Wash Ranger Sta., Grand Canyon Natl. Park, - (1); Hermit Basin, Grand Canyon Natl. Park, - (2); W side Cedar Mtn., Grand Canyon Natl. Park, 1 (4); E side Cedar Mtn., Grand Canyon Natl. Park, 1 (-); SE boundary Grand Canyon Natl. Park (Hwy. 64), 2".

Onychomys leucogaster melanophrys Merriam (p. 625); specimens examined include "Mohave Co.: Diamond Butte, 4,700 ft, 25 (1); S boundary Gardner Ranch, Shivwits Plateau, 5,100 ft, 14 mi. N, 4 mi. W Mt. Dellenbaugh, 25 (1); Waring Ranch, Parashaunt Wash, Shivwits Plateau, 5,300 ft, 9 mi. N, 1 mi. W Mt. Dellenbaugh, 15 (9); Dry Lake, 4,500 ft, Grand Canyon Nat. Mon., 1 (-); 2 mi. S Dry Lake, 4,350 ft, Grand Canyon Nat. Mon. - (1). Coconino Co.: 4½ mi. S Fredonia, - (1); 5 mi. N, 3 mi. W Page, 2 (3); 5 mi. N, 2 mi. W Page, 14 (16); 16 mi. SW Navajo Bridge, 1 (2); North Canyon, House Rock Valley, - (2); House Rock Valley, 9½ mi. ENE Jacob Lake, - (3); House Rock Valley, 12 mi. E Jacob Lake, - (1); 6½ mi. W, 6 mi. S Marble Canyon, 2 (1); 1 mi. S, ½ mi. E Jacobs Pool, - (3); 5 mi. S, 1 mi. E Kane, -(2)."

Van Denburgh, John

1922 19.4070 *The reptiles of western North America : an account of the species known to inhabit California and Oregon, Washington, Idaho, Utah, Nevada, Arizona, British Columbia, Sonora and Lower California. Volume I. Lizards.* San Francisco: California Academy of Sciences, 611 pp.

► Grand Canyon, see pp. 109 (*Crotaphytus collaris baileyi* (Stejneger)); 205, 207 (*Uta ornata symmetrica* (Baird)); 246 (*Uta stansburiana elegans* (Yarrow)); 294 (*Sceloporus consobrinus* Baird and Girard); 335 (*Sceloporus magister* Hallowell); 385 (*Phrynosoma douglassii hernandesi* (Girard)).

1928 19.6042 *The reptiles of western North America : an account of the species known to inhabit California and Oregon, Washington, Idaho, Utah, Nevada, Arizona, British Columbia, Sonora and Lower California. Volume II. Snakes and turtles.* San Francisco: California Academy of Sciences, 1028 pp.

Van Devender, Thomas R., AND Tessman, Norman T.

1974 21.8558 Late Pleistocene snapping turtles from southern Nevada [ABSTRACT]. *In:* Proceedings of the 18th Annual Meeting of the Arizona Academy of Science, April 19-20, 1974, Northern Arizona University, Flagstaff, Arizona. *Arizona Academy of Science, Journal*, 9 (April, Proceedings Supplement): 34-35.

► Regarding the Glendale fossil fauna from Clark County, Nevada, and the turtle *Chelydra serpentina*. Remarks that the "nearest [modern] population" of this species is east of the continental divide. Hypothetical dispersal routes include an alternative, "from the Green River (Utah) southward into the Colorado River, through the Grand Canyon (Arizona), and into the Virgin and Muddy Rivers (southern Nevada)".

Van Gelder, Richard G.

1959 19.5877 A taxonomic revision of the spotted skunks (genus *Spilogale*). *American Museum of Natural History, Bulletin*, 117(article 5): 229-392.

► See in particular "Distribution", pp. 250-254; and *Spilogale putorius gracilis* Merriam, pp. 279-299 (type material from Old Hance Trail, Grand Canyon; and specimens examined include several from "Bottom of Grand Canyon, Hogan's", Indian Gardens, and mouth of Bright Angel Creek).

1982 19.1810 *Mammals of the national parks.* Baltimore, Maryland: Johns Hopkins University Press, 310 pp.

► See Grand Canyon National Park, pp. 58-64.

Vandiver, Vincent W.

1937 19.4579 Pipe Spring National Monument. *In:* The Supplement [SECTION]. *Southwestern Monuments Monthly Report* (U.S. National Park Service), (February): 111-122.

► History, geography, geology (stratigraphy), botany (including species list), and animals (common-name lists for birds, "animals" [mammals], and reptiles), Native Americans.

Vaney, Neil

1995 19.3750 Biodiversity and beauty. *Pacifica: Australasian Theological Studies*, 8: 335-345.

► See p. 339, note of Kaibab Plateau mountain lion–deer balance.

Vaughn, Kelly

2017 19.5368 American bison. *In:* The Journal [SECTION]. *Arizona Highways*, 93(4) (April): 13.

► Notes occurrence on Kaibab Plateau and in Raymond Wildlife Area, east of Flagstaff, but no mention of House Rock Valley.

Vietnam. Yok Don National Park, Environmental Education Programs
[Vườn Quốc gia Yok Đôn, Chủông trình Giáo dục Môi trường]

2003 19.2888 *Dự án PARC — Vườn Quốc gia Yok Đôn, Chủông trình Giáo dục Môi trường : Tài Liệu Giáo dục Môi trường, Lớp 6.* [*PARC project—Yok Don National Park, Environmental Education Programs : Environmental Education Documents, No. 6.*] Buôn Đôn: Vườn Quốc gia Yok Đôn [Buon Don: Yok Don National Park], 48 pp. (PARC—VIE/95/G31 & 031.) [In Vietnamese.]

► See "Vì sao không nên tiêu diệt hết chó sói?" (*transl.* Why should the wolf not be destroyed?), p. 48, specifically about Kaibab Plateau ecological balance.

Vireday, Carol Claire

1982 19.2828 *Mycophagy in tassel-eared squirrels (*Sciurus aberti aberti *and* S. aberti kaibabensis*) in northern Arizona.* Master's thesis, Northern Arizona University, 76 pp.

Vogt, S. R., AND Miller, D. M.

1992 19.6141 Grand Canyon rattlesnake (*Crotalus viridis abyssus*): Comparison of enzymatic variability with other *Crotalus viridis* subspecies [ABSTRACT]. *In:* Program and abstracts of the Illinois State Academy of Science 85th Annual Meeting; Theme: "Science Literacy: Strategies for Survival"; Illinois State Museum and Sangamon State University, Springfield, Illinois, October 16-17, 1992. *Illinois State Academy of Science, Transactions*, 85(Supplement): 68.

Vohra, Rais; Clark, Rick; AND Shah, Nilofar

2008 19.5327 A pilot study of occupational envenomations in North American zoos and aquaria. *Clinical Toxicology*, 46(9): 790-793.

► Includes *Crotalus oreganus abyssus*, Grand Canyon rattlesnake.

Vorhies, Charles T.

1936 19.2072 Important rodents. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 74-83.

1936 19.2073 Important reptiles. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 96, 97-109.

1945 19.3829 Water requirements of desert animals in the Southwest. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin 107*, pp. 487-525.

► See p. 487, anecdote regarding folk wisdom that prairie dogs "burrow down to water", and that "Not until more scientifically minded men determined the actual burrow depth (12 to 14 feet) and pointed out that near the rim of the Grand Canyon, where the nearest water is a 'mile down,' prairie dogs nevertheless lived contentedly, did we begin to seek another answer." (ENTIRE NOTE)

Vorhies, Charles T., AND Taylor, Walter P.

1940 19.3831 Life history and ecology of the white-throated wood rat, *Neotoma albigula albigula* Hartley, in relation to grazing in Arizona. *University of Arizona, College of Agriculture, Agricultural Experiment Station, Technical Bulletin 86*, 529 pp.

► Grand Canyon and Cataract Canyon, pp. 467, 469.

Vuure, T. van

1985 19.6883 *Zoogdieren, bossen en wederzijdse invloeden.* Wageningen: Pudoc, 135 pp. (Copyright Pudoc, Centrum voor Landbouwpublikaties en Landbouwdocumentatie, Wageningen.) [In Dutch.]

► Under section 3.2, "Predator-prooi-relaties", see section 3.2.1, "Kaibab-plateau" (pp. 49-50), pertaining to the Kaibab deer irruption.

W

Wakeling, Brian F.

2001 19.2130 Mule deer demographic responses to select climatic variables in Arizona. *In:* Riper, Charles van, III, Thomas, Kathryn A., and Stuart, Maureen A. (eds.), *Proceedings of the Fifth Biennial Conference of Research on the Colorado Plateau* (sponsored and organized by U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, co-sponsored by Northern Arizona University). [Flagstaff, Arizona]: U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center, USGSFRESC/COPL/2001/24, pp. 73-82.

2006 19.5422 Arizona bison genetics: Verifying origins. *In:* Cain, James W., III, and Krausman, Paul R. (eds.), *Managing Wildlife in the Southwest: New Challenges for the 21st Century : proceedings of the symposium, 9-11 August 2005, Alpine, Texas.* Tucson: The Wildlife Society, Southwest Section, pp. 25-30.

► Study includes House Rock Valley herd.

2010 19.4600 Mule deer antler growth and hunting management on the North Kaibab, Arizona. *In:* Riper, Charles van, III, Wakeling, Brian F., and Sisk, Thomas D. (eds.), *The Colorado Plateau IV : shaping conservation through science and management.* Tucson: University of Arizona Press, pp. 213-270.

2015 19.4765 Mule deer demographic responses to select climatic variables in Arizona [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 50-51.

2015 19.4789 Mule deer antler growth and hunting management on the North Kaibab, Arizona [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 152.

Wakeling, Brian F.; Day, Ronald L., Jr.; AND Munig, Amber

2013 19.5450 The economics of predation management: Pronghorn and coyotes in Arizona [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 124.

► Includes Arizona Game and Fish Department Game Management Units 9 and 10, south of Grand Canyon.

Walker, James M.; Cordes, James E.; Manning, Glenn J.; AND Sullivan, Brian K.

2015 19.5192 *Aspidoscelis tigris septentrionalis* (Burger, 1950), plateau tiger whiptail, in the western United States: Individual, ontogenetic, and geographic variation in color pattern. *Herpetological Conservation and Biology*, 10(3): 935-947.

► Includes areas bounding Grand Canyon.

Walsberg, Glenn E.

1990 19.2281 Convergence of solar heat gain in two squirrel species with contrasting coat colors. *Physical Zoology*, 63(5): 1025-1042.

► One of the populations examined was composed of "Ten adult *Spermophilus lateralis* were collected on the Kaibab Plateau of northern Arizona, in Coconino County, at an altitude of about 2,400 m."

2005 19.2866 Cattle grazing in a national forest greatly reduces nesting success in a ground-nesting sparrow. *The Condor*, 107: 714-716.

► "Observations were made in May, June, and July of 2000 and 2001 in open ponderosa pine (Pinus ponderosa) forests and pine savanna in the Kaibab National Forest, Coconino County, Arizona, near 35°19'N, 111°56'W."

Walters, James E. [Walters, Jim]

1977 19.6030 The status of the bighorn/burro situation at Grand Canyon National Park. *Desert Bighorn Council, Transactions*, 21: 7-8.

1979 19.6031 Bighorn sheep population estimate for the South Tonto Plateau—Grand Canyon. *Desert Bighorn Council, Transactions*, 23: 96-106.

1979 19.6462 Movements and home ranges of feral burros on the Tonto Plateau—Grand Canyon National Park [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 249.

Walters, James E., AND Hansen, Richard M.

1978 19.1817 Evidence of feral burro competition with desert bighorn sheep in Grand Canyon National Park. *Desert Bighorn Council, Transactions*, 22: 10-16.

Wan, H. Y.; Sisk, T. D.; AND Sanford, R. L., Jr.

2015 19.4879 Overgrazing by bison destabilizes soil and diminishes plant growth in Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 89.

Warren, Peter L., AND Schwalbe, Cecil R.

1985 19.1826 Herpetofauna in riparian habitats along the Colorado River in Grand Canyon. *In:* Riparian ecosystems and their management: Reconciling conflicting uses. First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, Technical Report RM-120*, pp. 347-354.

1986 19.1827 *Lizards along the Colorado River in Grand Canyon National Park: Possible effects of fluctuating river flows.* Salt Lake City: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies Technical Report.

1988 19.5515 Lizards along the Colorado River in Grand Canyon National Park: Possible effects of fluctuating river flows. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 297-317.

Wayne, R., AND Hedrick, P. W.

2011 19.4731 Genetics and wolf conservation in the American West: lessons and challenges. *Heredity*, 107: 16-19.

► Includes Grand Canyon North Rim (Kaibab Plateau).

Werhan, Ronald W. [Werhan, Ron]

1990 19.5764 ["Pygmy horses" from Grand Canyon.] *Grand Canyon Pioneers Society* [newsletter], (February): 2-4. [*NOTE:* This issue predates the enumerated issues of the *Grand Canyon Pioneers Society Newsletter*.]

► Recollections gathered from various sources regarding the so-called "miniature horses" of Havasu Canyon. Followed by signed remarks from: Gale Burak and Hubert F. Lauzon, pp. 4-5.

Western States Mule Deer Workshop

1974 19.3867 Minutes of the Fourth Western States Mule Deer Workshop, January 22-23, 1974, Ramada Inn, Laramie, Wyoming. *Fourth Western States Mule Deer Workshop, January 22-23, 1974, Ramada Inn, Laramie, Wyoming*, pp. 1-19 (entire proceedings).

► See under "Mule Deer Research Projects": "Effects of Weather on North Kaibab Fawn Survival. Objective: To determine if fawn survival on the North Kaibab is correlated with summer rainfall on deer winter range or with snow conditions on wintering areas." (ENTIRE NOTE)

1975 19.3868 Western states mule deer research, February 1975. *Fifth Western States Mule Deer Workshop, February 18-20, 1975, Drifter Motel, Silver City, New Mexico*, pp. 36-42.

► Projects listed. See p. 36: "Effects of Weather on on Survival of North Kaibab Fawns (Correlation of survival to previous summer rainfall and winter conditions", Clay McCulloch, principal researcher; "Evaluation of Kaibab Summer Deer Habitat (Identify site characteristics favorable to deer)", Clay McCulloch, principal researcher. (ENTIRE NOTES)

1976 19.3869 Reports of current research. *Proceedings of the Sixth Western States Mule Deer workshop, February 19-21, 1976, Idaho Department of Fish and Game, Boise, Idaho*, pp. 7-.

► See p. 8: "Work on the Kaibab is aimed at determining causes of fawn mortaility." (ENTIRE NOTE)

Westhoff, V.

1967 19.5181 De invloed van het wild op de vegetatie. The impact of a game stock on vegetation. *Nederlands Bosbouw Tijdschrift* (Koninkklijke Nederlandsche Bosbouw Vereninging, Arnhem), 39(5): 218-232. [In Dutch, with bilingual title.]

► See p. 221, brief remark on deer of the Kaibab Plateau.

Western Association of Fish and Game Commissioners

1923 19.3493 [Resolution.] *In:* Western Association of Fish and Game Commissioners meets at Sacramento. *California Fish and Game*, 9(1) (January): 27.

► Resolution calling for U.S. Department of Agriculture to establish "a plan of limited utilization of deer within the Grand Canyon National Game Preserve" so as to "prevent overstocking, assist in obtaining a drift of deer to outside ranges and at the same time maintain an abundant supply of such game."

Wettstein, Peter J., AND States, Jack S.

1986 19.1849 The major histocompatibility complex of tassel-eared squirrels. I. Genetic diversity associated with Kaibab squirrels. *Immunogenetics*, 24(4): 230-241.

1986 19.1850 The major histocompatibility complex of tassel-eared squirrels. II. Genetic diversity associated with Abert squirrels. *Immunogenetics*, 24(4): 242-250.

Wettstein, Peter J.; Chakraborty, Ranajit; States, Jack; AND Ferrari, G.

1990 19.1851 T-cell receptor genes in tassel-eared squirrels (*Sciurus aberti*). I. Genetic polymorphism and divergence in the Abert and Kaibab subspecies. *Immunogenetics*, 32(4): 219-230.

Wettstein, Peter J.; Lager, P.; Jin, Li; States, Jack; Lamb, Trip; AND Chakraborty, Ranajit

1994 19.5483 Phylogeny of mitochondrial DNA clones in tassel-eared squirrels *Sciruus aberti*. *Molecular Ecology*, 3(6) (December): 541-550.

Wettstein, Peter J.; Strausbauch, Michael; Lamb, Trip; States, Jack; Chakraborty, Ranajit; Jin, Li; AND Riblet, Toy

1995 19.1852 Phylogeny of six *Sciurus aberti* subspecies based on nucleotide sequences of cytochrome b. *Molecular Phylogenetics and Evolution*, 4(2) (June): 150-162.

Whitaker, Bob

1966 19.3511 "Planted" pronghorns again roam "Strip". *Our Public Lands* (U.S. Bureau of Land Management), 15(4) (Spring): 15.

1972 19.3474 Arizona. *In:* Best hunting spots in all fifty states, 1972-73 [FEATURE]. *Field and Stream*, 77(7) (November): 72.

Whitney, Stephen R.

1982 19.1859 *A field guide to the Grand Canyon.* New York: Quill, 320 pp.

1996 19.1860 *A field guide to the Grand Canyon.* Seattle, Washington: The Mountaineers, 2nd ed., 269 pp.

Whitney, Stephen R., AND Hart, Elizabeth Briars

NO DATE 19.2669 *Grand Canyon National Park birds and mammals.* Seattle, Washington: Mountaineers Books, [laminated gatefold informational card with booklike design including spine title]. (Mac's Pocket Guide series.) [2006.]

Wilder, Benjamin T.; Betancourt, Julio L.; Epps, Clinton W.; Crowhurst, Rachel S.; Mead, Jim I.; AND Ezcurra, Exequiel

2014 19.4916 Local extinction and unintentional rewilding of bighorn sheep (*Ovis canadensis*) on a desert island. *PLoS One*, 9(3): e91358, 9 pp.

► Regarding Tiburón Island, Gulf of California; but see pp. 1-2, remarks on cattle-interbred bison invading Grand Canyon National Park from their introduced lower altitude range [House Rock Valley].

Wilkinson, Todd

1996 19.1864 Reptile rustlers. *National Parks*, 70(11/12) (November/December): 36-39.

Wilkinson, Todd, AND Francis, Michael H.

1995 19.1865 *Wildlife watcher's guide : Grand Canyon, Zion and Bryce national parks.* Minocqua, Wisconsin: NorthWord Press, Inc., 144 pp.

Williams, D. A.

1980 19.1866 (WITH J. B. Copeland) They shoot burros, don't they? *Newsweek*, 96 (July 7): 24.

► *NOTE*: The title is a play on the title of the 1969 dramatic film, *They Shoot Horses, Don't They?*

Williams, David

2002 19.3705 Conspicuous consumption; some park animals, either fed deliberately or inadvertently by visitors, have become so addicted to human food that many parks have begun aggressive campaigns to reduce the number of panhandling animals and to discourage visitors from feeding them. *National Parks*, 76(3/4) (April/May): 40-45.

► Includes notes from Grand Canyon.

Williams, Emmett L.

1986 19.2221 Kaibab and Abert squirrels. *Creation Research Society Quarterly*, 22: 182.

► Creationist perspective.

Williams, Jason A.; O'Farrell, M. J.; AND Riddle, B. R.

2006 19.3430 Habitat use by bats in a riparian corridor of the Mojave Desert in southern Nevada. *Journal of Mammalogy*, 87(6): 1145-1153.

Williams, Kenneth L.

1960 19.6070 Taxonomic notes on Arizona herpetozoa. *Southwestern Naturalist*, 5(1) (April 15): 25-36.

► Includes notes on taxa from the North Rim of Grand Canyon (*Ambystoma tigrinum utahense* Lowe, p. 25), Wolf Hole (*Spea intermontanus* (Cope), pp. 25-26), "Grand Canyon National Park" (*Sceloporus undulatus elongatus* Stejneger × *u. tristichus* Cope, p. 26), mouth of Bright Angel Creek (*Urosaurus ornatus wrighti* (Schmidt), p. 28), and Hilltop, south rim of Grand Canyon (*Crotalus viridis abyssus* Klauber, p. 34).

Williams, Martha

2023 19.6803 Endangered and Threatened wildlife and plants; revision of a nonessential experimental population of black-footed ferrets (Mustela nigripes) in the Southwest. *Federal Register*, 88(192) (October 5): 69045-69072.

► Includes the Espee Ranch reintroduction site and the Aubrey Valley/Double O Ranch population.

Williamson, Robert R.

1934 19.1871 [Coyote and deer.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 8(10) (January): 237.

Wills, John

2006 19.2665 Brighty, donkeys, and conservation in the Grand Canyon. *Endeavour*, 30(3): 113-117.

Winter, Ara S.; Hathaway, Jennifer J. M.; Kimble, Jason C.; Buecher, Debbie C.; Valdez, Ernest W.; Porras Alfaro, Andrea; Young, Jesse M.; Read, Kaitlyn J. H.; AND Northup, Diana E.

2017 19.5650 Skin and fur bacterial diversity and community structure on American southwestern bats: effects of habitat, geography and bat traits. *PeerJ*, 3: e3944, doi:10.7717/peerj.3944, 22 pp. + Supplemental Information online.

► Study areas include Grand Canyon-Parashant National Monument.] [From p. 20, regarding data availability: "Biome files, QIIME mapping files, workflow, and R scripts are archived at https://zenodo.org/record/17577#. A Binder (http://mybinder.org/) ipython notebook with the full dataset used in this paper is available at: https://github.com/bioinfonm/microBat. Supplemental information for this article can be found online at http://dx.doi.org/10.7717/peerj.3944#supplemental-information."

Winters, S. R.

1919 19.3701 The use of the forests. *The National Wool Grower* (Salt Lake City), 9(1) (January): 21-22.

► See pp. 22: "In several parts of the Southwest, notably in some of the Arizona forests and in the Grand Canyon National Monument, the increase of wild burros is a serious problem on the ranges. These animals are owned by nobody and are even more difficult to capture and handle than the wild horses." (ENTIRE NOTE)

Wonders, Karen

1993 19.2173 Habitat dioramas; illusions of wilderness in museums of natural history. Uppsala: *Acta Universitatis Upsaliensis, Figura Nova Series 25*, 262 [263] pp.

► Doctoral dissertation, 1993. See pp. 180-181, fig. 100, "Mountain Lion Group" at American Museum of Natural History.

Woodbury, Angus M.

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► Authorship as given on cover. Title-sheet notes: "Articles by Angus M. Woodbury; Seville Flowers, Delbert W. Lindsay; Stephen D. Durrant and Nowlan K. Dean; Albert W. Grundmann and James R. Crook; William H. Behle and Harold G. Higgins; Angus M. Woodbury, Gerald R. Smith, Guy G. Musser, Donald B. McDonald and Seville Flowers" and "Angus M. Woodbury, Biological Editor". Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona. Articles pertinent to the Lees Ferry area are cited separately in this bibliography.

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5

ORNITHOLOGY

of the

GRAND CANYON REGION

BIBLIOGRAPHY OF ORNITHOLOGY OF THE GRAND CANYON REGION

Modern ornithological style conventions call for the accepted common names of birds to be capitalized; for example, the Southwestern Willow Flycatcher. Such usage is meant to convey the idea that the bird in question is one with a single, established taxonomic (scientific) name. This convention is not followed in this bibliography, in so far as no other animal or plant species is capitalized by practitioners in those fields, and to accordingly single out birds is awkward. As throughout THE GRAND CANON, standardized bibliographical citations are employed. Only in the case of direct quotations (within quotation marks) are bird common names shown with capital letters.

ANONYMOUS

PUBLICATION NOT DATED: DATE ESTIMATED, ATTRIBUTED, OR KNOWN FROM ORIGINAL RECEIPT

NO DATE 19.3794 *Arizona's important bird areas.* [No place]: Tucson Audubon Society, Audubon Arizona, Arizona Game and Fish Department, Arizona Bird Conservation Initiative, and BirdLife International, 52 pp. [2012?]

NO DATE 19.6957 *Birds and climate change : Grand Canyon National Park.* U.S. National Park Service, Grand Canyon National Park, 7 pp. [*Ca.* 2019.]

DATED PUBLICATIONS, GROUPED BY YEAR

1903 19.3803 The A. O. U. trip to California. *In:* Notes from Field and Study [SECTION]. *Bird-Lore*, 5(3) (May/June): 99-100.

► American Ornithological Union. Grand Canyon, pp. 99-100.

1917 19.3668 A wonderful specimen of a petrified bird's nest. *Popular Science Monthly*, 90(1) (January): 188.

► Found "imbedded in a rock formation in a cliff of the Grand Canyon, five hundred feet above the base". Surely a travertine-enrobed artifact. See also Anonymous (1921, ITEM NO. 19.4567) and Strong (1918, ITEM NO. 19.3662).

Anonymous *(continued)*

1919 19.6217 [Establishment of Grand Canyon National Park.] *In:* Notes and News [SECTION]. *The Auk*, 36(2) (April): 319-324.

► Brief note of the establishment of Grand Canyon and Lafayette National Parks. "This action will insure greater protection of the wild life and we hope will result in the publication at an early date of information concerning the birds of these interesting regions." (ENTIRE NOTE)

1921 19.4567 Petrified bird's nest. *American Forestry*, 27 (March): 172.

► Found "in the Grand Canyon of the Colorado, in Arizona, 550 feet from the base of the canyon. It was imbedded in a rock formation in a sort of cliff." Surely a travertine-enrobed artifact. See also Anonymous (1917, ITEM NO. 19.3668) and Strong (1918, ITEM NO. 19.3662).

1926 19.11 Suicide robin returns. *Grand Canyon Nature Notes*, 1(1) (March 6): 4.

1926 19.12 Any port in a storm. *Grand Canyon Nature Notes*, 1(3) (May 13): 5.

► Thurber junco.

1926 19.5370 Intelligent robin. *Grand Canyon Nature Notes*, 1(5) (August 16): 4.

► Purposeful moistening of long, stiff pine needles in a drinking fountain, for use in nest building.

1928 19.44 Kingfisher at Grand Canyon. *Grand Canyon Nature Notes*, 3(5) (October 31): 1-2.

► Three belted kingfishers seen along Bright Angel Creek.

1928 19.45 Robin breaks ice to take bath. *Grand Canyon Nature Notes*, 3(5) (October 31): 2.

1929 19.50 Nesting notes. *Grand Canyon Nature Notes*, 3(10) (June 30): 3-4.

► "Extracts from the records of Mrs. F. M. Bailey and the Park Naturalist [Edwin D. McKee]."

1929 19.5379 Facts—not fancies. *Grand Canyon Nature Notes*, 3(11) (July 31): 6.

► Includes notes on bighorn sheep on rim just east of El Tovar; first reported occurrence of Arizona hepatic tanager just east of Yavapai Observation Station; coyotes near Desert View; first records of California cuckoo and song sparrow in Havasu Canyon.

1929 19.51 Along the trails. *Grand Canyon Nature Notes*, 4(1) (September 30): 6-7.

► Brief notes on mountain sheep on North Rim along McKinnon Point Trail and near Cliff Springs, porcupines on South Rim, western crows at Yavapai Point, belted kingfisher at Bright Angel Point, "A Big Scaley Lizard (Sceloporus magister)" at Cedar Ridge on South Kaibab Trail, mule deer losing coats, hummingbirds at Hull Tank, and migrating birds on the Kaibab.

1930 19.5380 Winter robins. *Grand Canyon Nature Notes*, 4(5) (March): 33.

Anonymous *(continued)*

1930 19.52 Odds and ends. *Grand Canyon Nature Notes*, 4(8) (June 30): 56.

► Birds; beaver in Bright Angel Creek; coyotes in Nankoweap Canyon, first record of coyotes in canyon bottom.

1930 19.504 July bird notes. *Grand Canyon Nature Notes*, 4(9) (July 31): 62.

► Reports made by anonymous, "Park Naturalist" (Edwin D. McKee), P. Jenks, and E. W. Count.

1930 19.53 Odds and ends. *Grand Canyon Nature Notes*, 4(10) (August 30): 69-71.

► Lizards, birds, chipmunks, falcons, trout eggs planted in Shinumo Creek, deer range on North Rim, live specimen of "probably Grand Canyon Rattler" collected at Desert View Point.

1930 19.54 Briefs. *Grand Canyon Nature Notes*, 5(1) (November 30): 11.

► Birds. See also Errata, 6(3) (January 1932): 28.

1930 19.55 Flying the Grand Canyon. *Nature Magazine*, 15: 260.

1931 19.58 [Robins, house finch, and the coming of spring.] *Grand Canyon Nature Notes*, 5(4) (February): 42.

1931 19.61 [Sage thrasher.] *Grand Canyon Nature Notes*, 5(9) (July): 86.

► Seen near Thunder River; first record for Grand Canyon National Park.

1931 19.62 [Little Traill flycatcher, *Empidonax traili brewsteri*, new record for Grand Canyon National Park.] *Grand Canyon Nature Notes*, 6(1) (November): 15.

► Supplements the article by E. D. McKee, 5(12) (October): 121-122 (ITEM NO. 19.1056).

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► "On April 18, the C. C. C. telephone crew found a Pigmy Nuthatch with a nest in a tree near the Yavapai road." (ENTIRE NOTE) Civilian Conservation Corps.

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► Includes list of "Banders in the 1935 Annual Report" that lists (p. 31) "McKee, E.D., Grand Canyon National Park, Grand Canyon, Ariz.; 517 [birds credited]". Edwin D. McKee.

1936 19.5588 [Summary of lecture by G. Carmichael Low.] *In:* [388th Meeting of the Club, February 12, 1936]. *British Ornithologists' Club, Bulletin* (London), 56(393) (March 4): 79-86.

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► "Kingman—Wild turkeys are being live-trapped by the Arizona game and fish commission in a number of areas where surpluses exist to restock Ft. Huachuca, the Santa Rita mountains and the North Kaibab National forest. Ft. Huachucha and the Santa Ritas once carried good populations of wild turkeys, but no evidence has been found to indicate that turkeys ever ranged the North Kaibab area. Surveys by rangers lead officials to believe that turkeys will do well there, however.—*Mohave County Miner*." (ENTIRE ITEM)

1968 19.72 *Wild turkey.* Phoenix: Arizona Game and Fish Department, Arizona Big Game Bulletin.

1984 19.80 *Life on the canyon rim.* Grand Canyon Natural History Association, [8] pp. (The Rim Trail series.)

1990 19.84 Grand Canyon birds. *Regarding:* (Grand Canyon Natural History Association newsletter), (October): [2-3].

1992 19.5406 [Report on HawkWatch International observations, September 1-November 5, 1992, at Grand Canyon.] *Regarding:* (Grand Canyon Natural History Association newsletter), (December): [1-3].

1994 19.90 Observations. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 48.

► Reprinted from *Grand Canyon Nature Notes*, April, 1930, May, 1934; mourning cloaks, birds, white-throated swift.

1994 19.92 Observations. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 97.

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1994 19.100 A near tragedy. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 127.

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1995 19.113 News from the Science Center. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (4) (October 1): 2.

► California condors, squirrels.

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1995 19.115 Arizona. California condor recovery program. *The Condor Update*, (4) (October 5): [3].

► Vermilion Cliffs.

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1996 19.120 Condors ahoy!! *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (11) (January 23): [1-4].

1996 19.121 Condors too! *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (12) (January 26): [1-6].

1996 19.122 Parasitic cowbirds. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (13) (February7): [1-2].

1996 19.123 California condor (*Gymnogyps californianus*). *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (15) (February 15): [3-4].

1996 19.124 Condors. *Boatman's Quarterly Review*, 9(3): 5.

1996 19.127 Condor reintroduction delayed again. *Colorado Plateau Advocate*, (Fall): 4.

1996 19.128 Arizona condor release program. *Peregrine Fund* (newsletter), (27) (Fall/Winter), p. 5 (and see "Special Thanks", p. 6).

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1997 19.131 Days of the condor. *National Parks*, 71(3/4): 20.

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► Condors.

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1997 19.134 Canyon condors. *Boatman's Quarterly Review*, 10(3) (Summer): 39.

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1997 19.136 California condor in Arches. *The Confluence* (Colorado Plateau River Guides), 4(2) (Summer): 6.

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1998 19.4005 Numbers of California condors in the wild continue to soar. *Bird Calls* (American Bird Conservancy, Policy Council), (November): 3.

► Includes note of release at Hurricane Cliffs site.

1999 19.1958 The condors come home to Arizona. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 10(1) (January/March): 7.

1999 19.139 Condor protocol. *Boatman's Quarterly Review*, 12(2) (Spring): 27.

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2001 19.2014 Curious condors. *The Waiting List* (Grand Canyon Private Boaters Association), 5(1) (Spring): 35.

► Originally distributed via *gcpba Newswire* on-line, February 15, 2001.

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2003 19.6094 Connect to condor conservation. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 39(5) (September/October): 5.

► Announcement of presentation by Chris Parrish and outing on South Rim.

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► "Excerpted from Joint Agency News Release". Vermilion Cliffs National Monument and Grand Canyon National Park.

2003 19.2426 Baby condor hatches. *Arizona's Nongame News* (Arizona Game and Fish Department, Nongame and Endangered Wildlife Program), (11) (October): 2.

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2004 19.2927 Talk on July 18th: The geology and natural history of the Grand Canyon (and some other places). *Friends of the E. de C. Clarke Earth Science Museum, Newsletter* (University of Western Australia), (September): 3-8.

2004 19.5304 Condors are thriving at the Canyon; reintroduction program leads to three wild-born chicks. *Grand Canyon Tusayan guide : Fall 2004.* Williams, Arizona: Williams-Grand Canyon News, p. 10.

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2005 19.2526 Sierra service outings. *Canyon Echo*, (May/June): 12.

► California condors.

2005 19.2639 First condor hatched in the wild in decades dies. *Canyon Views* (Grand Canyon Association), 11(2) (Summer): 1-2.

2007 19.2685 From the brink of extinction. *In: Grand Canyon Tusayan guide : Summer 2007.* Williams, Arizona: Williams-Grand Canyon News, p. 17.

► Condors.

2007 19.3085 California condor. *ConSci Newsletter* (Phoenix Zoo, Department of Conservation and Science), 2(1) (September): 2.

2008 19.3107 California condor—*Gymnogyps californianus*. *ConSci Newsletter* (Phoenix Zoo, Department of Conservation and Science), 2(2) (September): 3.

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► California condor.

2010 19.3083 Congratulations! It's a baby condor! *The Desert Dispatch* (Lewis and Clark Trail Heritage Foundation, Grand Canyon Chapter), 13(1) (January): 5.

► Facsimile reprint of "Congratulations! It's a baby condor!" by Tara Weingarten, *Newsweek*, (August 18): 10; with brief editorial remark. *Item noticed here for historical misnomer*: "In their diaries, Lewis and Clark documented that they saw dozens of condors during their trek through the Grand Canyon nearly 200 years ago."

2010 19.3305 From the brink of extinction. *In: Grand Canyon Tusayan guide : Spring 2010.* Williams, Arizona: Williams-Grand Canyon News, p. 17.

► California condor.

Anonymous *(continued)*

2010 19.4510 More condors to soar over N. Arizona. *A Bird's Eye View* (West Valley Bird Society, Northridge, California), 28(10) (October): 14.

2011 19.3385 New Grand Canyon Encounter Live Bird Show. *In: Grand Canyon South Rim, Tusayan, and northern Arizona visitors guide : Summer 2011.* Williams, Arizona: Williams-Grand Canyon News, p. 9.

2011 19.3386 Condor recovery; from the brink of extinction. *In: Grand Canyon South Rim, Tusayan, and northern Arizona visitors guide : Summer 2011.* Williams, Arizona: Williams-Grand Canyon News, p. 39.

2011 19.4358 Three condors hatch in wilds of northern Arizona. *In:* Birds In Brief [SECTION]. *Bird Calls* (American Bird Conservancy, Washington, D.C.), 15(3) (October): 22-23.

2011 19.3713 Fall birding tour of the South Kaibab. *In:* Field Trip Reports [SECTION]. *BlackHawk Watch* (Northern Arizona Audubon Society), 41(2) (November/December): 3.

► Southern portion of Kaibab National Forest.

2012 19.4400 California condor chick 634 fledges. *Pinyon Press* (Xanterra South Rim, L.L.C., Grand Canyon), 2012(1) (January 11): 9.

2013 19.4308 Flocks of people gather at Eagle Watch. *Kanza News* (Kaw Nation, Kaw City, Oklahoma), 7(1) (Spring): 10-12.

► Notes (p. 10) the 27-year-old male bald eagle named BENSAR (for Bald Eagle Northern Sutton Avian Research), who "once flew over the Grand Canyon". Photograph of BENSAR on p. 11. (ENTIRE NOTES)

2014 19.4230 Grand Canyon bird watch. *Canyon Views* (Grand Canyon Association), 21(1) (Winter): 4-5.

2014 19.4231 Condor chick #719. *Canyon Views* (Grand Canyon Association), 21(1) (Winter): 7-8.

2014 19.5188 Two of three wild-hatched condors have fledged, joining the wild flock in Arizona and Utah; 16 December 2014—The Peregrine Fund. *In:* News and Comments [SECTION]. *Vulture News* (Vulture Study Group, Johannesburg), (67) (November): 60-61.

2015 19.4714 Back from the brink. *Grand Canyon Journal*, 2015: 26.

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2017 19.5330 January meetings; Birds of the Grand Canyon. *BlackHawk Watch* (Northern Arizona Audubon Society), 46(3) (January/February): 1.

► Announcement of lectures by Larry Stevens, at meetings in Sedona and Flagstaff.

2017 19.5761 Day on the Land: Condor conservation, March 25th. *In:* From the Calendar: Spring 2017 Events [SECTION]. *Ground Truth* (Diablo Trust, Flagstaff, Arizona), (Spring/Summer): 12-13.

► Report on the Day on the Land outing to the Marble Canyon area.

Anonymous *(continued)*

2018 19.5881 Champions of nature. *Bloom Magazine* (Bloomington, Indiana), (April/May): 109.

► See "Vicky Meretsky", briefly noting her work (in Grand Canyon) on the California condor, humpback chub, and Kanab ambersnail.

2021 19.6679 A look at other endangered and threatened species at Grand Canyon. (Illustrations by Mehghan Bergeron.) *Canyon Views* (Grand Canyon Conservancy), 28(2) (Fall/Winter): 14-15.

► Continues the article by Escamilla (2021, ITEM NO. 19.6678) on the endangered sentry milk-vetch, but it is unclear whether this is also authored by her. California condor, Yuma Ridgway's rail, Mexican spotted owl, humpback chub, razorback sucker, southwestern willow flycatcher, western yellow-billed cuckoo. Illustrations are paintings.

A

Adams, Mason

2002 19.2172 Condor program laden with lead. *High Country News*, 34(3) (February 18): 4.

Aguilar, Roberto F.

2007 19.3106 Species based projects. *ConSci Newsletter* (Phoenix Zoo, Department of Conservation and Science), 1(3) (December): 2.

► See "California Condor".

Aguilar, Roberto F.; Yoshicedo, Jill N.; AND Parish, Chris N.

2012 19.4020 Ingluviotomy tube placement for lead-induced crop stasis in the California condor (*Gymnogyps californianus*). *Journal of Avian Medicine and Surgery*, 26(3): 176-181.

► Six condors; five captured for blood lead level testing at Vermilion Cliffs, the sixth "hand-caught at the bottom of the Grand Canyon because of its weakened state".

Alagona, Peter S.

2004 19.4183 The ghosts of endangered species past: Recent lessons at the intersection of history and biology. *BioScience*, 54(11) (November): 984-985.

► Kaibab Plateau ecology and condors noted, *in passing*.

Albright, Thomas P.; Pidgeon, Anna M.; Rittenhouse, Chadwick D.; Clayton, Murray K.; Wardlow, Brian D.; Flather, Curtis H.; Culbert, Patrick D.; AND Radeloff, Volker C.

2010 19.5606 Combined effects of heat waves and droughts on avian communities across the conterminous United States. *Ecosphere*, 1(5): Article 12, 22 pp.

Alcock, John; Berquist, Paul; AND Berquist, Shirley

1998 19.144 That magnificent hunter, the golden eagle, struggles for survival. *Arizona Highways*, 74(1) (January): 20-21.

Aleshire, Peter, AND Cordano, Marty

1997 19.149 Return of the peregrine falcons marks a red-letter day for wildlife. *Arizona Highways*, 73(1) (January): 36-37.

Allen, Rachel

1996 19.155 [Condor release at Vermilion Cliffs.] *In:* Wildlife! [SECTION]. *Flagstaff Live!* (December 19, 1996-January 8, 1997): 3, 23.

Allen, Stephen

1997 19.156 Condors in the Canyon. *The Guide* (Flagstaff, Arizona), (November): 14.

Anderson, Anders H.

1934 19.160 The Arizona state list since 1914. *The Condor*, 36: 78-83.

► Birds.

1972 19.161 *A bibliography of Arizona ornithology : annotated.* Tucson: University of Arizona Press, 241 pp.

Arizona Condor Review Team

2007 19.2847 *A review of the second five years of the California Condor Reintroduction Program in northern Arizona.* [No place]: Arizona Condor Review Team, *for* California Condor Recovery Team and U.S. Fish and Wildlife Service, California/Nevada Operations Office, 80 pp.

► *NOTE*: For first-five years review, see Austin, William, *et al.* (2003); for third-five years review, see Southwest Condor Review Team.

Arizona Game and Fish Department

2005 19.2532 Two endangered California condor chicks hatch in Arizona. *Outdoors Now*, 4(4) (July): 27.

2011 19.3400 *California condors in Arizona and Utah.* Phoenix: Arizona Game and Fish Department, folded brochure.

2012 19.3703 Arizona hunters deserve recognition re: condors; majority of hunters in Arizona's condor range voluntarily join lead-reduction efforts. *Western Outdoor Times*, 8(8) (October/November): 11.

Arizona Game and Fish Department, Nongame Branch

_____ 19.181 *California condor: Project Update.* [Various dates. Issued ocassionally, 1996-.]

1996 19.2243 *Wildlife of special concern in Arizona (public review draft).* Phoenix: Arizona Game and Fish Department, Nongame Branch, 8 pp.

Arizona Game and Fish Department, Nongame and Endangered Wildlife Program

NO DATE 19.2844 *California condors : could they fly in Arizona skies again?* Phoenix: Nongame and Endangered Wildlife Program, Arizona Game and Fish Department, folded sheet [6 pp.]. [1995?]

Arizona State University, ASU Art Museum

2014 19.6984 *AMUseum educational resource : Trout Fishing in America and Other Stories : Bryndis Snæbjöornsdóttir/Mark Wilson, Arizona State University Art Museum, October 4, 2014-January 17, 2015*. (Co-curated by Ron Broglio and Heather Sealy Lineberry.) [No place]: Arizona State Univesity Art Museum, [unpaginated].

► Photographic-exhibit guide and educational resource. "Over a two-year period, artists Bryndia Snæbjöornsdóttir (Iceland) and Mark Wilson (UK) have explored the networks and ripple effects of scientific conservation initiatives in Arizona. [. . .] Taking a kind of vertical slice of the Grand Canyon, they have focused on the reintroduction of two endangered species to the environment—the Humpback Chub, native to the Colorado River, and the California Condor, whose zones of flight extend from the Canyon to the Vermilion Cliffs and into Utah. This exhibition examines how ecologies can change radically as a result of tiny individual initiatives by human or other agents."

Arnold, John R.

1941 19.184 Western grasshopper sparrow at Grand Canyon, Arizona. *The Condor*, 43: 292-293.

Austin, George T., AND Bradley, W. Glen

1969 19.5194 Additional responses of the poor-will to low temperatures. *The Auk*, 86 (October): 717-725.

► Laboratory experimentation with "An active female Poor-will caught at Pakoon Springs Ranch, Mohave County, Arizona on 5 April 1968".

Austin, Noah

2015 19.4717 Wing commander. (Photo by Dawn Kish.) *Arizona Highways*, 91(8) (August): 44-45.

► Chris Parish, wildlife biologist for The Peregrine Fund. California condors.

Austin, William; Farry, Shawn; Heinrich, Bill; Humphrey, Jeff; Leslie, Elaine; MacVEan, Susan; Olson, Chad; Osborn, Sophie; Palmer, Bruce; Parish, Chris; AND Small, Michael

2003 19.2437 *A review of the first five years of the California condor reintroduction program in northern Arizona.* [No place]: California Condor Review Team, *for* California Condor

Recovery Team and U.S. Fish and Wildlife Service, California/Nevada Operations Office, Sacramento, California, 62 pp.

Avery, Ben

1954 19.191 Wild turkey finds new home in Arizona's Kaibab Plateau. *Arizona Days and Ways*, (September 5): 5.

B

Baarsen, Yayeri van, AND Lunde, Ryan

2017 19.6980 I get paid for this... Ryan Lunde. A wildlife survey pilot in Arizona, USA, whose work helps with the conservation of bald eagles and many other endangered species. *Flyer* (Melksham, Wiltshire, United Kingdom), (September): 20. [Ellipsis is part of title.]

► Interview with Lunde, a wildlife survey pilot for the Arizona Game and Fish Department. See the question and answer, "What's been your favourite flight?", with remarks on flying through Grand Canyon to survey California condors.

Babbitt, Charles J.

1995 19.195 Birding the Kaibab Plateau. *Winging It* (Colorado Springs, Colorado), 7(6): 1, 4-5.

Bailey, Florence Merriam

1939 19.198 *Among the birds in the Grand Canyon country.* Washington, D.C.: U.S. Department of the Interior, 211 pp.

Baird, Spencer F.

1854 19.204 Descriptions of new birds collected between Albuquerque, N. M., and San Francisco, California, during the winter of 1853-54, by Dr. C. B. R. Kennerly and H. B. Möllhausen, naturalists attached to the survey of the Pacific R. R. route, under Lt. A. W. Whipple. *Academy of Natural Sciences of Philadelphia, Proceedings*, 7: 118-120.

1858 19.5119 (WITH John Cassin and George N. Lawrence) Birds. *In: Reports of explorations and surveys, to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean. Made under the direction of the Secretary of War, in 1853-6, according to the Acts of Congress of March 3, 1853, May 31, 1854, and August 5, 1854. Volume IX. [Comprising] Part II.—General report upon the zoology of the several Pacific railroad routes.* Washington, D.C.: Beverly Tucker [Beverley Tucker], Printer, lvi, 1005 pp. (Volume: *U.S. 33rd Congress, 2nd Session, Senate Executive Document 78*.)

1861 19.205 Zoology. *In:* Ives, Joseph C., *Report upon the Colorado River of the West, explored in 1857 and 1858 by Lieutenant Joseph C. Ives, Corps of Topographical Engineers, under the direction of the Office of Explorations and Surveys, A. A. Humphreys, Captain*

Topographical Engineers, in charge. By order of the Secretary of War. Washington, D.C.: U.S. Government Printing Office, Part 5, 31 pp. [separately paginated]. (Volume: *U.S. 30th Congress, 1st Session, House Document 90*, *Serial 1058.*)

► This "Zoology" section is specifically only a "List of Birds Collected on the Colorado Expedition".

Baldwin, Elizabeth A., AND Stevens, Lawrence E.

1997 19.210 The day of the condor. *Boatman's Quarterly Review*, 10(1): 3. [Issue "Winter 1996-1997" mailed February 1997.]

Barlow, J. C.; James, R. D.; AND Williams, N.

1970 19.213 Habitat co-occupancy among some vireos of the subgenus *Vireo* (Aves: Vireonidae). *Canadian Journal of Zoology*, 48: 395-398.

► Abstract: "Habitat co-occupancy is reported for the first time between the gray vireo (*Vireo vicinior* Coues) and the Bell vireo (*V. belli arizonae* Ridgeway) and the former species and the solitary vireo (*V. solitarius plumbeus* Coues). Observations were made in central and northern Arizona. Behavioral and vocal differences facilitate the association between *V. vicinior* and *V. belli arizonae*, but only behavioral differences are seemingly used by *V. vicinior* and *V. solitarius plumbeus*."

Barnard, Geoff [Barnard, Geoffrey S.]

1996 19.217 It's a bird! It's a plane! *Colorado Plateau Advocate*, (Summer): 2.

Bastone, Kelly

2013 19.6764 Getting the lead out; lead bullets still threaten the California condor, an icon at Pinnacles and Grand Canyon. *National Parks*, 87(2) (Spring): 22, 24.

Battin, James

2003 19.5986 Edge effects in ponderosa pine forest passerines in a landscape undergoing forest restoration treatments. *From:* Appendix VII: Papers in preparation or review. *In:* Sisk, Thomas D., Battin, James, Brand, Arriana, Ries, Leslie, Hampton, Haydee, and Noon, Barry R., *Modeling the effects of ecosystem fragmentation and restoration: Management models for mobile animals : final report : SERDP Project CS-1100 : Appendix Volume 2 (Appendices III-VII).* Flagstaff, Arizona: Northern Arizona University, Center for Environmental Sciences and Education, *for* Strategic Environmental Research and Development Program, Arlington, Virginia, pp. 10-38.

► Mount Trumbull Resource Conservation Area, Grand Canyon-Parashant National Monument.

2003 19.5987 The relationship between habitat selection and habitat quality for the plumbeous vireo in a changing landscape. *From:* Appendix VII: Papers in preparation or review. *In:* Sisk, Thomas D., Battin, James, Brand, Arriana, Ries, Leslie, Hampton, Haydee, and Noon, Barry R., *Modeling the effects of ecosystem fragmentation and restoration: Management models for mobile animals : final report : SERDP Project CS-1100 : Appendix Volume 2 (Appendices III-VII).* Flagstaff, Arizona: Northern Arizona

University, Center for Environmental Sciences and Education, *for* Strategic Environmental Research and Development Program, Arlington, Virigniа, pp. 39-79.

► Mount Trumbull Resource Conservation Area, Grand Canyon-Parashant National Monument.

2003 19.5988 Testing the effective area model for ponderosa pine forest birds. *From:* Appendix VII: Papers in preparation or review. *In:* Sisk, Thomas D., Battin, James, Brand, Arriana, Ries, Leslie, Hampton, Haydee, and Noon, Barry R., *Modeling the effects of ecosystem fragmentation and restoration: Management models for mobile animals : final report : SERDP Project CS-1100 : Appendix Volume 2 (Appendices III-VII).* Flagstaff, Arizona: Northern Arizona University, Center for Environmental Sciences and Education, *for* Strategic Environmental Research and Development Program, Arlington, Virigniа, pp. 80-90.

► Mount Trumbull Resource Conservation Area, Grand Canyon-Parashant National Monument; and Kaibab Plateau.

Battin, James, AND Lawler, Joshua J.

2006 19.3975 Cross-scale correlations and the design and analysis of avian habitat selection studies. *The Condor*, 108: 59-70.

► Includes Mount Trumbull Resource Conservation Area.

Beattie, Mollie H.

1995 19.3291 Endangered and Threatened wildlife and plants; Final Rule determining Endangered status for the southwestern willow flycatcher. *Federal Register*, 60(28) (February 27): 10694-10715.

Behan, Jeff

1994 19.221 Ravens: Smarter than you think. *Boatman's Quarterly Review*, 7(2) (Spring): 13.

Behle, William H.

1948 19.224 Birds observed in April along the Colorado River from Hite to Lee's Ferry. *The Auk*, 65: 303-306.

1960 19.225 The birds of southeastern Utah. *University of Utah, Biology Series*, 12(1): 1-56.

Behle, William H., AND Higgins, Harold G.

1959 19.226 The birds of Glen Canyon. *In:* Woodbury, Angus M. (Biological Editor), Ecological studies of the flora and fauna in Glen Canyon. *University of Utah, Department of Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), pp. 107-133.

► Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona.

Behle, William H., AND McKee, Edwin D.

1943 19.227 Additional bird records for Grand Canyon National Park. *The Auk*, 60: 278-279.

Behle, William H., AND Perry, M. L.

1975 19.228 *Utah birds: check-list, seasonal and ecological occurrence charts and guides to bird finding.* Salt Lake City: University of Utah, Utah Museum of Natural History, 144 pp.

Behle, William H.; Bushman, John B.; AND Greenhalgh, Clifton M.

1958 19.4095 Birds of the Kanab area and adjacent high plateaus of southern Utah. *University of Utah, Biological Series*, 11(7) (October 1), 92 pp.

Beier, Paul, AND Drennan, Joseph E.

1999 19.2297 Forest structure and prey abundance in foraging areas of northern goshawks. *Ecological Applications*, 7(2) (May): 564-571.

Benesh, Chris D., AND Rosenberg, Gary H.

1996 19.239 Arizona. *Field Notes* (National Audubon Society), 50(3): 312-315.

1996 19.240 Arizona. *Field Notes* (National Audubon Society), 50(5): 978-980.

1997 19.241 Arizona. *Field Notes* (National Audubon Society), 51(1): 95-98.

1998 19.242 Arizona region. *Field Notes* (American Birding Association), 52(2): 234-237.

1999 19.243 Arizona region. *North American Birds*, 53(1): 84-86.

Benson, Nate; Gdula, Eric; AND Picotte, Josh

2011 19.5268 Monitoring trends in burn severity. *Rx Effects* (U.S. National Park Service, Fire Ecology Program), 1(10) (Fall): 8, 10-11.

► Includes Mexican spotted owl habitat, Grand Canyon National Park.

Benson, Seth B.

1934 19.250 The black-throated green warbler in Arizona. *The Condor*, 36(1) (January): 42.

► Summarizes known records and reports the collection of "an adult male *Dendroica virens virens* on the brink of the gorge of the Colorado River a short distance east of Vulcan's Throne in Toroweap Valley, Mohave County."

Bent, Arthur Cleveland

1938 19.5825 Life histories of North American birds of prey (part 2); Orders Falconiformes and Strigiformes. *U.S. National Museum, Bulletin 170*, 482 pp., 92 plates.

► See *Falco sparverius phalaena* (Lesson), desert sparrow hawk (pp. 121-124); specifically, p. 123, quoting a record by George M. Wright (1932, ITEM NO. 19.1900) of the desert sparrow hawk capturing and devouring a small bat in Grand Canyon.

Bills, Debra T., AND Brown, Bryan T.

1992 19.265 Southwestern willow flycatcher. *Colorado River Studies Office, Newsletter* (U.S. Bureau of Reclamation), 4: 12.

Bird, A. Little [*pseudonym*]

1918 19.3096 [Photograph of J. Frank Lanning of Pittsburgh with "wild bluejay" in his hand, at Grand Canyon.] *In:* The Observation Car [SECTION]. *The Rotarian*, 13(4) (October): 183.

Blake, John G.

1978 19.269 *Birds of the Lake Mead National Recreation Area.* Las Vegas: University of Nevada, Cooperative National Park Resources Studies Unit, LAME Technical Report 1, 218 pp.

1981 19.3421 Avifauna of the Mt. Dellenbaugh region, Shivwits Plateau, Arizona. *Great Basin Naturalist*, 41(2): 259-268.

Bleiberg, Larry

2007 19.5697 Condors back after long absence from Grand Canyon. *In:* News [SECTION]. *Vulture News* (Vulture Study Group, Johannesburg), (56) (March): 78-79.

▶ Credited to *The Mercury News* (newspaper [San Jose, California?]), August 7, 2006.

Boal, Clint William

1993 19.282 *Northern goshawk diets in ponderosa pine forests in northern Arizona.* Master's thesis, University of Arizona, 60 pp.

1994 19.2301 A photographic and behavioral guide to aging nestling northern goshawks. *Studies in Avian Biology*, 16(23 November): 32-40.

Boal, Clint W., AND Bacorn, John E.

1994 19.2289 Siblicide and cannibalism at northern goshawk nests. *The Auk*, 111(3): 748-750.

Boal, Clint W., AND Mannan, R. William

1994 19.2290 Northern goshawk diets in ponderosa pine forests on the Kaibab Plateau. *Studies in Avian Biology*, 16(23 November): 97-102.

1996 19.2296 Prey sizes of male and female northern goshawks. *Southwestern Naturalist*, 41(4): 355-358.

Boal, Clint W.; Bibles, Erin L.; AND Brown, Raymond E.

1994 19.284 Unusual parental behaviors by male northern goshawks. *Journal of Raptor Research*, 28(2): 120-121.

Boarman, William I.

2003 19.3422 Managing a subsidized predator population: Reducing common raven predation on desert tortoises. *Environmental Management*, 32(2): 205-217.

Bond, Richard M.

1946 19.6384 The peregrine population of western North America. *The Condor*, 48(3) (May/June): 101-116.

► See p. 103, "Also, so far as I can discover, the tremendous cliffs of the Grand Canyon have not been reported to harbor any eyries, although they have not been fully explored by any means and an adult carrying prey was seen on June 22, 1932, by Randolph Jenks in Havasu Canyon (letter from A. R. Phillips to [J. J.] Hickey)." (ENTIRE NOTE)

Boone, James L.

2011 19.3999 *Annotated list of animal species observed in and adjacent to the Mojave Desert portion of Grand Canyon-Parashant National Monument.* Las Vegas: Desert Wildlife Consultants, LLC, SEPARATELY PAGINATED SECTIONS [43 pp. total].

► Survey route from Mesquite, Nevada, to Grand Wash Bay, Lake Mead, Arizona, including Virgin Mountains and Pakoon Spring.

Borell, A. E.

1936 19.292 A modern La Brea tar pit. *The Auk*, 53 (July): 298-300.

► September and October 1934 censuses of birds trapped in a tar pit "located one mile southwest of the village of Grand Canyon . . . [that] had been placed there during the building of the Hermit Rim Road." Includes notes on remediation, and an anecdotal report of deer and cattle having been rescued.

1937 19.293 Cooper hawk eats a flammulated screech owl. *The Condor*, 39(1) (January/February): 44.

► Owl identified from stomach contents of hawk taken at Berry Ranch, just outside Grand Canyon National Park.

Bowden, Timothy Scott [Bowden, Tim]

2008 19.5015 *Mexican spotted owl reproduction, home range, and habitat associations in Grand Canyon National Park.* Master's thesis, Montana State University, 87 pp.

Bowden, Tim [Bowden, Timothy S.]**; Ferguson, Jake M.; Ward, Rolla V.; Taper, Mark L.; AND Willey, David W.**

2015 19.5017 Breeding season home range and habitat use of Mexican spotted owls (*Strix occidentalis lucida*) below the South Rim of Grand Canyon National Park. *Wilson Journal of Ornithology*, 127(4): 678-689.

Bowden, Timothy S.; Taper, M. L.; Ward, R. V.; AND Willey, D. W.

2010 19.5708 Mexican spotted owl home range, habitat use, and reproduction in the Grand Canyon National Park [ABSTRACT]. *COS-AOU-SCO 2010 San Diego : abstract book.* Waco,

Texas: Cooper Ornithological Society, American Ornithologists' Union, and Society of Canadian Ornithologists, p. 11. (COS/AOU/SCO 2010 Joint Meeting, 7-11 February, 2010, Town and Country Resort and Convention Center, San Diego, California, USA.)

Bowden, Timothy S.; White, Jeremy M.; AND Ward, R. V.

2010 19.5709 A minimally invasive approach to monitoring nest-site behavior for a threatened species [ABSTRACT]. *COS-AOU-SCO 2010 San Diego : abstract book.* Waco, Texas: Cooper Ornithological Society, American Ornithologists' Union, and Society of Canadian Ornithologists, p. 11. (COS/AOU/SCO 2010 Joint Meeting, 7-11 February, 2010, Town and Country Resort and Convention Center, San Diego, California, USA.)

► Spotted owls (*Strix occidentalis lucida*) in Grand Canyon National Park.]

2011 19.4958 A minimally invasive approach to monitoring nest-site behavior for a threatened species [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 183.

► Spotted owls (*Strix occidentalis lucida*) in Grand Canyon National Park.

Bradfield, Maitland

1974 19.302 Birds of the Hopi region, their Hopi names, and notes on the ecology. *Museum of Northern Arizona, Bulletin 48*, 75 pp.

Brandt, Frank

1996 19.303 Condor release scheduled at last! *Northern Arizona Audubon Society, Newsletter*, 26(4): 1.

Brandt, Frank; Brandt, Linda; AND Romig, Gary

2001 19.4236 *Birding the Flagstaff area.* Sedona, Arizona: Northern Arizona Audubon Society, 79 pp. (and gatefold map). [Cover title adds: *Includes the Grand Canyon South Rim, Navajo and Hopi Lands*. Rear gatefold map folds around text block, with shelf title on outside "spine" edge.]

Breecher, M.

1981 19.305 Wings cause a new flap at Grand Canyon. *Arizona*, (March 29): 7-9.

Briggs, Arthur S.

1995 19.3297 Southwestern Region, Arizona; Timber resource analysis—Kaibab National Forest. *Federal Register*, 60(53) (March 20): 14719-14720.

► Notes Mexican spotted owl and northern goshawk.

Bright-Smith, Donald Joseph

1994 19.3832 *Habitat use by breeding male northern goshawks in northern Arizona.* Master's thesis, University of Arizona, 47 pp.

Bright-Smith, Donald J., AND Mannan, R. William

1994 19.2300 Habitat use by breeding male northern goshawks in northern Arizona. *Studies in Avian Biology*, 16(23 November): 58-65.

Brock, Frederic H.

2001 19.2273 An interaction between a California condor and a red-tailed hawk in flight in Arizona, USA. *International Hawkwatcher*, 4 (August): 21.

Brown, Bryan Turner

1978 19.317 Seventy-eighth Christmas bird count, Grand Canyon. *American Birds*, 32: 824-825.

1980 19.318 Eightieth Christmas bird count, Grand Canyon. *American Birds*, 34: 619.

1987 19.319 *Ecology of riparian breeding birds along the Colorado River in Grand Canyon, Arizona.* Doctoral dissertation, University of Arizona, 77 pp.

1987 19.321 *Monitoring bird population densities along the Colorado River in Grand Canyon.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies Technical Report, 26 pp. (National Technical Information Service accession no. PB88-183520.)

1988 19.322 Breeding ecology of a willow flycatcher population along the Colorado River in Grand Canyon, Arizona. *Western Birds*, 19(1): 25-33.

1988 19.323 *Monitoring bird population densities along the Colorado River in Grand Canyon: 1987 breeding season.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies Technical Report, 26 pp.

1989 19.324 *Grand Canyon peregrine falcon population study: 1989 interim report. Final report.* U.S. National Park Service, Grand Canyon National Park.

1989 19.325 Breeding ecology of riparian birds along the Colorado River in Grand Canyon, Arizona. *University of Arizona, Cooperative Park Studies Unit, Technical Report 25*, 42 pp.

1991 19.326 *Abundance, distribution, and ecology of nesting peregrine falcons in Grand Canyon National Park, Arizona. Final report submitted in partial fulfillment of contract no. CX8210-7-0009.* Flagstaff, Arizona: SWCA, Inc., *for* Grand Canyon National Park, 45 pp.

1991 19.327 Status of nesting willow flycatchers along the Colorado River from Glen Canyon Dam to Cardenas Creek, Arizona; final [report]. Phoenix: *U.S. Fish and Wildlife Service, Endangered Species Report 20*, 34 pp.

1992 19.328 Golden eagles feeding on fish. *Journal of Raptor Research*, 26(1): 36-37.

1992 19.329 Nesting chronology, density and habitat use of black-chinned hummingbirds along the Colorado River, Arizona. *Journal of Field Ornithology*, 63(4): 393-400.

► Lees Ferry to Diamond Creek.

1993 19.330 Bell's vireo. *The Birds of North America*, (35), 20 pp.

1993 19.331 Winter foraging ecology of bald eagles in Arizona. *The Condor*, 95: 132-138.

1994 19.332 Rates of brood parasitism by brown-headed cowbirds on riparian passerines in Arizona. *Journal of Field Ornithology*, 65(2): 160-168.

1996 19.333 Managing the new riparian zone for its naturalized values. *In:* Webb, Robert H., *Grand Canyon, a century of change : rephotography of the 1889-1890 Stanton Expedition.* Tucson: University of Arizona Press, pp. 122-123.

2024 19.6819 Recollections. *The Ol' Pioneer* (Grand Canyon Historical Society), 35(1) (Winter): 3-4.

► Recounts the experience of a recent hike to Havasupai Gardens with his son, Nathan, to participate in the annual Christmas Bird Count (National Audubon Society) on December 17 [2023], when Bright Angel Trail had been closed for a planned four and half months for reconstruction of the trans-canyon water line.

Brown, Bryan T., AND Hoffman, Stephen W.

1988 19.334 *Grand Canyon peregrine falcon population study: 1988 interim report : in partial fulfillment of contract number CX 8210-7-0009.* Submitted to Grand Canyon National Park, by SWCA, Inc., Environmental Consultants, Flagstaff, Arizona.

Brown, Bryan T., AND Johnson, R. Roy

1979 19.6467 Importance of the Colorado River in Grand Canyon National Park as a corridor for migratory Passeriformes [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 396.

1980 19.335 Utilization of the Colorado River in Grand Canyon by migratory passiformes as a corridor through arid lands. *In:* Proceedings of the Second Conference on Scientific Research in the National Parks. *U.S. National Park Service, Transactions and Proceedings Series, Volume 12*, pp. 85-96.

1982 19.2794 *Status and nesting habitat requirements of Bell's vireo along the Colorado River in Grand Canyon National Park: A preliminary report.* Tucson and San Francisco: University of Arizona, Cooperative National Park Resources Studies Unit, Arizona; and U.S. National Park Service, Western Region, 27 pp.

1984 19.336 Effects of Colorado River flooding on riparian nesting birds studied. *Park Science* (U.S. National Park Service), 4(2): 12-14.

1985 19.337 Glen Canyon Dam, fluctuating water levels, and riparian breeding birds: The need for management compromise on the Colorado River in Grand Canyon. *In:* Johnson, R. Roy, Ziebell, Charles D., Patton, David R., Ffolliott, Peter F., and Hamre, R. H. (eds.), Riparian ecosystems and their management: Reconciling conflicting uses; First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-120*, pp. 76-80.

1987 19.338 *Fluctuating flows from Glen Canyon Dam and their effect on breeding birds of the Colorado River in Grand Canyon, Arizona.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies Technical Report, 87 pp.

1988 19.339 The effects of fluctuating flows on breeding birds. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive*

summaries of technical reports : November 1988. [No place]: Glen Canyon Environmental Studies, pp. 287-295.

1989 19.5151 Ecology and management of riparian breeding birds in tamarisk habitats along the Colorado River in Grand Canyon National Park, Arizona. *In:* Kunzmann, Michael R., Johnson, R. Roy, and Bennett, Peter S. (eds.), *Tamarisk control in southwestern United States : proceedings of Tamarisk Conference, University of Arizona, Tucson, Arizona, September 2 and 3, 1987.* U.S. National Park Service, Cooperative National Park Resources Studies Unit, School of Renewable Natural Resources, University of Arizona; Cooperative National Park Resources Studies Unit Special Report 9, pp. 68-73. [Volume also revised, August 1990.]

Brown, Bryan T., AND Leibfried, W. C.

1990 19.340 The effect of fluctuating flows from Glen Canyon Dam on bald eagles and rainbow trout at Nankoweap Creek in Grand Canyon National Park, Arizona. *In: Glen Canyon Environmental Studies Phase II Draft Integrated Research Plan*, Volume 2. Salt Lake City: U.S. Bureau of Reclamation.

Brown, Bryan T., AND Stevens, Lawrence E.

1991 19.5537 *Influences of fluctuating flows from Glen Canyon Dam and effects of human disturbance on wintering bald eagles along the Colorado River in Grand Canyon, Arizona.* Flagstaff, Arizona: Northern Arizona University, Cooperative Park Studies Unit, and Flagstaff, Arizona: U.S. National Park Service, *for* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Flagstaff, Arizona, and U.S. National Park Service, Grand Canyon National Park, 142 pp.

1992 19.341 Winter abundance, age structure, and distribution of bald eagles along the Colorado River, Arizona. *Southwestern Naturalist*, 37(4) (December): 404-408.

1997 19.342 Winter bald eagle distribution is inversely correlated with human activity along the Colorado River, Arizona. *Journal of Raptor Research*, 31(1): 7-10.

Brown, Bryan T., AND Trosset, Michael W.

1989 19.343 Nesting-habitat relationships of riparian birds along the Colorado River in Grand Canyon, Arizona. *Southwestern Naturalist*, 34(2): 260-270.

Brown, Bryan T.; Bennett, Peter S.; Carothers, Steven W.; Haight, Lois T.; Johnson, R. Roy; AND Riffey, Meribeth M.

1978 19.344 Birds of the Grand Canyon region: An annotated checklist. *Grand Canyon Natural History Association, Monograph 1*, [68] pp.

► Superseded by 2nd ed. (Brown, Carothers, *et al.*, 1985, ITEM NO. 19.348).

Brown, Bryan T.; Carothers, Steven W.; Hoffman, Stephen W.; AND Glinski, Richard L.

1990 19.345 Abundance of peregrine falcons in Grand Canyon National Park has implications for regionwide recovery. *Park Science* (U.S. National Park Service), 10(2): 7.

Brown, Bryan T.; Carothers, Steven W.; Haight, Lois T.; Johnson, R. Roy; AND Riffey, Meribeth M.

1981 19.346 *Birds of the Grand Canyon region : a checklist.* [Grand Canyon Natural History Association], folded pamphlet.

► A different format than the 1981 checklist cited as ITEM NO. 19.347.

1981 19.347 *Checklist of the birds of the Grand Canyon area.* [Grand Canyon Natural History Association], 14 pp.

► Different format, stapled, with covers, than the 1981 folded pamphlet checklist cited as ITEM NO. 19.346.

1985 19.348 Birds of the Grand Canyon: An annotated checklist. 1984. *Grand Canyon Natural History Association, Monograph 1*, 2nd ed., 54 pp.

► Supersedes Brown, Bennett *et al.* (1978, ITEM NO. 19.344). Superseded by Gatlin (2013, ITEM NO. 19.4684).

Brown, Bryan T.; Carothers, Steven W.; AND Johnson, R. Roy

1983 19.349 Breeding range expansion of Bell's vireo in Grand Canyon, Arizona. *The Condor*, 85 (November): 499-500.

1987 19.350 *Grand Canyon birds : historical notes, natural history, and ecology.* Tucson: University of Arizona Press, 302 pp.

Brown, Bryan T.; Carothers, Steven W.; Johnson, R. Roy; Riffey, Meribeth M.; AND Stevens, Lawrence E.

1993 19.351 *Checklist of the birds of the Grand Canyon region.* Grand Canyon Natural History Association, [16] pp. [including wraps].

► A revision of the 1981 checklist (Brown *et al.*, ITEM NO. 19.346).

Brown, Bryan T.; Mesta, Robert; Stevens, Lawrence E.; AND Weisheit, John

1989 19.352 Changes in winter distribution of bald eagles along the Colorado River in Grand Canyon, Arizona. *Journal of Raptor Research*, 23(3): 110-113.

Brown, Bryan T.; Mills, G. Scott; Glinski, Richard L.; AND Hoffman, Stephen W.

1992 19.353 Density of nesting peregrine falcons in Grand Canyon National Park, Arizona. *Southwestern Naturalist*, 37(2): 188-193.

Brown, Bryan T.; Stevens, Lawrence E.; AND Yates, Teresa A.

1998 19.354 Influences of fluctuating river flows on bald eagle foraging behavior. *The Condor*, 100: 745-748.

Brown, Herbert

1899 19.362 The California vulture in Arizona. *The Auk*, 16(3) (July): 272.

► March 1881 record of a pair of California condors at "Pierce's Ferry" (Pearce Ferry).

Brown, Nikolle L.

2001 19.2005 Canyon critters—Larger summer birds. *The Waiting List* (Grand Canyon Private Boaters Association), 4(4) (Winter 2000-2001): 32.

2001 19.2018 Critters in the Canyon—smaller summer birds. *The Waiting List* (Grand Canyon Private Boaters Association), 5(1) (Spring): 32-33.

2001 19.4227 The Howdy owls of Arizona: A review of the status of *Athene cunicularia*. *Journal of Raptor Research*, 35(4): 344-350.

2003 19.2441 A baby condor hatches. *Boatman's Quarterly Review*, 16(4) (Winter): 3.

Bryan, Joseph J.

1933 19.5066 [Townsend solitaire.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November):.

► "A Townsend Solitaire (Myadestes townsendi, Audobon [*sic*]) was killed by flying into the large window at Yavapai Observation Station on September 20. On this same day Park naturalist McKee saw one of these birds at Grandview. The last record of this bird in the park was July 10, 1929, when a female was collected just under the east rim in the Kaibab Forest." (ENTIRE NOTE)

Bryant, Harold C.

1939 19.373 Another record of the Bohemian waxwing at Grand Canyon, Arizona. *The Condor*, 41: 123.

1941 19.374 A nighthawk migration on an Arizona desert. *The Condor*, 43 (November): 293.

► Census by Mr. and Mrs. Bryant "on a stretch of the Grand Canyon approach road about 35 miles south of Grand Canyon". See also Bryant and Bryant (1945, ITEM NO. 19.385).

1943 19.375 Birds eat snow. *The Condor*, 45: 77.

1945 19.376 Back-yard observations at Grand Canyon, Arizona. *Gull*, 27(5): 16-17.

1945 19.377 The status of game birds in Grand Canyon Nat'l. Park. *Arizona Wildlife and Sportsman*, 6(9) (July): 10.

1945 19.379 Winter record of red-winged blackbirds at Grand Canyon, Arizona. *The Condor*, 47: 219.

1945 19.380 Back-yard observations at Grand Canyon, Arizona. *Gull*, 27(5): 16-17.

1950 19.381 Unusual occurrence of red-winged blackbirds at Grand Canyon, Arizona. *The Condor*, 52: 94.

1952 19.382 Additions to the check-list of birds of Grand Canyon National Park, Arizona. *In:* From Field and Study [SECTION]. *The Condor*, 54(5) (September/October): 320.

1959 19.383 Birds of Havasu Canyon and environs. *In:* Wampler, Joseph, *Havasu Canyon : gem of the Grand Canyon.* Berkeley, California: Howell-North Press [privately published], pp. 34-42.

1981 19.384 Birds of Havasu Canyon and environs. *In:* Wampler, Joseph, *Havasu, a canyon home.* Berkeley, California: privately published, pp. 34-42.

Bryant, Harold C., AND Bryant, Amy M.

1945 19.385 Another nighthawk migration on an Arizona desert. *The Condor*, 47 (November): 268.

► In the "same general area" as a former observation (Bryant, 1941, ITEM NO. 19.374); this along Route 66 between Bellemont and Grand Canyon Junction and north of Grand Canyon Junction.

Buchheit, Mike

1997 19.386 Condors return to Grand Canyon. *Canyon Views* (Grand Canyon Association), 3(1) (Spring): 6.

2020 19.6516 Bighorn family in the canyon. *Canyon Views* (Grand Canyon Conservancy), 27(2) (Fall/Winter): 22. [Photo.]

Buck, Kimberly A., AND Clausen, Marc X.

NO DATE 19.387 December bird census within the geomorphic reaches and riparian vegetation zones of the Colorado River corridor through the Grand Canyon, December, 1992. *In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay* (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 2-19. [1993.]

Buck, Kimberly A., AND Stevens, Lawrence E.

1994 19.388 Temporal, geomorphic and flow regulation effects on Colorado River waterbird distribution in the Grand Canyon, AZ [ABSTRACT]. *In:* Program and Abstracts; Part Two: Abstracts; 79th Annual ESA Meeting, Science and Public Policy, Knoxville, Tennessee, 7-11 August 1994. *Ecological Society of America, Bulletin*, 75(2) (Supplement): 27.

Burak, Gale

2000 19.1929 The golden eagle caper. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 11(1) (January/March): 5-6.

2001 19.2089 The ravens. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 12(4) (October/December): 9-10.

Burgoyne, Paul C.

1980 19.391 *Bird population changes and manipulation of a ponderosa pine forest on the Kaibab Plateau, Arizona.* Doctoral dissertation, Brigham Young University, 86 pp.

Busch, Thyra Robinson

1997 19.395 DNA researcher takes endangered bird under his wing. *Pine* (Northern Arizona University), (Summer): 6-8.

► Paul Keim and southwestern willow flycatcher.

C

Cade, Tom J.; Osborn, Sophie A. H.; Hunt, W. Grainger; AND Woods, Christopher P.

2004 19.4639 Commentary on released California condors *Gymnogyps californianus* in Arizona. *In:* Chancellor, R. D., and Meyburg, B.-U. (eds.), *Raptors worldwide : proceedings of the VI World Conference on Birds of Prey and Owls, Budapest, Hungary, 18-23 May 2003.* Berlin and Budapest: World Working Group on Birds of Prey and Owls, MME/BirdLife Hungary, pp. 11-25.

Cafferty, Jack

2002 19.2183 Return of the California condor to Grand Canyon. *Nature Notes* (Grand Canyon National Park), (Spring): 1-3.

Campana, Sam

2003 19.4385 Baby condor makes historic flight in the Grand Canyon. *Gambels Tale's* (Sonoran Audubon Society, Glendale, Arizona), 5(4) (December): 5.

► First wild-hatched California condor in Arizona. A chick of condors 123 and 127.

Cantrell, Mark

1991 19.403 *Fall 1991 raptor migration study : Grand Canyon, Arizona.* (Stephen W. Hoffman, Barbara M. Waxer, Eric G. Meyer, eds.) Albuquerque, New Mexico: HawkWatch International, Inc., *for* U.S. Fish and Wildlife Service, 28 pp.

1992 19.404 *Fall 1992 raptor migration study : Grand Canyon, Arizona.* (Stephen W. Hoffman, LisaBeth Daly, David Levine, Eric G. Meyer, and Patricia Hurley, eds.) Albuquerque, New Mexico: HawkWatch International, Inc., *for* Arizona Game and Fish Department, 52 pp.

Carlos, Mari

2006 19.2635 El condor pasa. *Grand Canyon River Runner*, (2) (Spring): 6. [In English.]

Carothers, Steven W.

1999 19.410 Spirit guides, prayer feathers, and omens of darkness; endangered birds of the Colorado Plateau. *Plateau Journal*, 3(1) (Summer): 16-33, back cover.

Carothers, Steven W., AND Carothers, Tanner S.

2021 19.6789 Recent colonization of nesting Canada geese (*Branta canadensis*) in Glen and Grand Canyons. *Southwestern Naturalist*, 66(3) (September): 203-212.

2021 19.6606 Nesting Canada geese (*Branta canadensis*) in the Colorado River corridor below Glen Canyon Dam: A request for help! *Boatman's Quarterly Review*, 34(2) (Summer): 16-17.

► Report of sightings in recent years of Canada geese with goslings in the river corridor (illustrated with photo at River Mile 271.5). Request for further reports from river runners.

2022 19.6713 Recent Grand Canyon geese invasion: Another request for help! *Boatman's Quarterly Review*, 35(1) (Spring): 6-8.

2023 19.6788 Canada geese and Grand Canyon: The invasion continues. *Boatman's Quarterly Review*, 36(1) (Spring): 14-15.

2024 19.6945 Recent colonization of nesting Canada geese (*Branta Canadensis* [*sic*]) in Grand Canyon, Arizona [ABSTRACT]. *Texas Conservation Symposium, Williamson County Georgetown Annex, 100 Wilco Way, Georgetown, Texas*, p. 10.

2025 19.7006 A call for help from the river community—Canada geese: the invasion strengthens. *Boatman's Quarterly Review*, 38(1) (Spring): 6-8.

Carothers, Steven W., AND House, Dorothy A.

1992 19.416 Birds of prey on the Colorado Plateau. *Plateau*, 63(3): 1-48 [entire number].

Carothers, Steven W., AND Johnson, R. Roy

1975 19.417 Recent observations on the status and distribution of some birds of the Grand Canyon region. *Plateau*, 47: 140-153.

Carothers, Steven W., AND Sharber, N. J.

1976 19.419 Birds of the Colorado River. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 109-122.

1977 19.420 *Analysis of effects of wildlife on the biota of a natural riparian community in Grand Canyon National Park. Final report.* Museum of Northern Arizona, Harold S. Colton Research Center, 18 pp.

Carothers, Steven W.; Johnson, R. Roy; AND Kingsley, Kenneth J.

2020 19.6502 A naturalized riparian ecosystem: Consequences of tamarisk leaf beetle (*Diorhabda* spp.) biocontrol. *In:* Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M.; Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, pp. 18-46.

Carothers, Tanner S.

2023 19.6807 Recent colonization of nesting Canada geese (*Branta canadensis*) in Glen and Grand Canyons, AZ / Recientes colonizando de anidando gansos canadienses (*Branta canadensis*) en Glen y Grand Canyons, AZ [ABSTRACT]. *In: SWAN 2023 : 70th Annual Meeting, Southwestern Association of Naturalists, 3-5 August 2023, San Antonio, TX : abstracts book. / 70a Reunión Anual, Southwestern Association of Naturalists, 3-5 de*

Agosto de 2023, San Antonio, TX : libro de resúmenes, p. 9. [In English and Spanish.]

Carson, Joan

2010 19.3250 Wings of the west; from Alaska to Arizona, 10 of the region's best birding destinations. *Alaska Airlines Magazine*, 34(8) (August): 32-33, 35, 37-38, 40, 42-44.

► See pp. 32-33, California condors at Grand Canyon.

Chapman, Frank M.

1903 19.430 Notes from field and study: the A.O.U. trip to California. *Bird-Lore*, 5: 99-100.

1907 19.3549 *The warblers of North America.* New York: D. Appleton and Co., 306+ pp., 24 plates.

► See "Grace's Warbler. *Dendroic graciae graciae* Baird", pp. 185-187, Plate 13; specifically p. 186: "If the spring or summer visitor to the Grand Cañon will explore the neighboring yellow pine forests he will find Grace's Warbler a not uncommon inhabitant of tree-tops, so high that no small amount of looking will be required to complete a satisfactory identification." (ENTIRE NOTE)

Cheng, Kuroda [黒田長禮]

1933 19.5820 歐米に於ける博物館と動物園(一) [Ōbei ni okeru hakubutsukan to dōbu~tsuen (ichi)] [Museums and zoos in western countries (1)]. 日本鳥学会誌 [Nihonchōgakkai-shi] [*Japanese Journal of Ornithology* (Tokyo)], 8 [1933-1935] (36): 36-63. [In Japanese.]

► First report of a 1928 trip to America and Europe visiting museums and zoological gardens, with the focus on birds (this first installment also includes the trip from Japan to America by way of Hawaii). Visit to Grand Canyon, see pp. 51-53 (birding notes are cursory).

Chesher, Greer K.

1996 19.432 Fear of flying: Local resistance keeps condors behind bars. *High Country News*, 28(14) (August 5): 3.

1996 19.433 Up in the sky! *Cañon Journal*, 2(2): 59-64.

► Condors.

Chesley, John; Reinthal, Peter; Corley, Tim; Parrish, Chris [Parish, Christopher N.]**; AND Ruiz, Joaquin**

2005 19.2584 Radioisotopic analyses of potential sources of lead contamination in California condors [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 35.

Chesley, John; Reinthal, Peter; Parish, Chris [Parish, Christopher N.]**; Sullivan, Kathy; AND Sieg, Ron**

2009 19.5361 Evidence for the source of lead contamination within the California condor. *In:* Watson, R. T., Fuller, M., Pokras, M., and Hunt, W. G. (eds.), *Proceedings of the conference : Ingestion of Spent Lead Ammunition : Implications for Wildlife and*

Humans : 12-15 May 2008, Boise State University, Idaho, United States of America. Boise, Idaho: The Peregrine Fund.

Christensen, Kerry M.

1998 19.2834 *Hualapai Tribe transitional monitoring of avian populations in lower Grand Canyon : 1997.* Peach Springs, Arizona: Hualapai Tribe Department of Natural Resources, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 32 pp.

2001 19.5400 *2001 terrestrial resource monitoring in lower Grand Canyon—wildlife, vegetation and ethnobotany.* Peach Springs, Arizona: Hualapai Department of Natural Resources*, for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 45 pp.

Clark, Jamie Rappaport

1997 19.3299 Endangered and Threatened wildlife and plants; 90-day finding for a petition to list the northern goshawk in the contiguous United States West of the 100th meridian. *Federal Register*, 62(188) (September 29): 50892-50896.

Cohn, Jeffrey P.

1999 19.6194 Saving the California condor; years of effort are paying off in renewed hope for the species' survival. *BioScience*, 49(11) (November): 864-868.

Collins, George L.

1934 19.5071 [Shufeldt junco.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 8(10) (January):.

Collins, Marian L. (ED.)

1957 19.6492 [Robins at Supai.] *The Supai Weekly News*, (February 6): 2.

► "Spring must be close as there are lots of robins in Supai now. Mybe [*sic*] they are here to get away from the deep snows 'up on top.'" (ENTIRE ITEM)

1959 19.6497 [Birds.] *The Supai News*, (May 30): 1.

► "We have more birds in Supai this year; maybe because of the dry weather up above." (ENTIRE ITEM)

Comisión para la Cooperación Ambiental de América del Norte

2000 19.6244 *Conservación de la biodiversidad : conservación de las especies migratorias y transfronterizas de América del Norte : conservación de especies de preocupación común en América del Norte (borrador de trabajo).* Montreal, Canadá: Comisión para la Cooperación Ambiental de América del Norte, 98 pp. [See "*Gymnogyps californianus*; Cóndor californiano" (pp. 46-49, 82). [In Spanish.]

► California condor.

Conley, Cort

2021 19.6663 In reference to the *Wally Rist Oral History* in the Summer 2021 BQR, volume 34:2. *In:* Dear Eddy [SECTION]. *Boatman's Quarterly Review*, 34(3) (Fall): 1.

► Regarding Rist and Steiger (2021, ITEM NO. 2.30302), which includes Rist's remarks on combat between "'a bird' and a rattlesnake"; the bird identified by Conley, from the Rist photograph, as a yellow-billed cuckoo

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Condor Trippers [Braun, Christa; Crewse, Helen; Frey, Joni; Hampton, Kathryn; AND Springer, Chan]

2007 19.6363 California condor release report by the *Condor Trippers*. *Peregram* (Velma Morrison Interpretive Center, The Peregrine Fund, Boise Idaho), (Spring): 1-2.

► Condor release at Vermilion Cliffs. Article in three brief parts (ellipses are parts of titles): "The Beginning of the Adventure . . .", by Chan Springer (p. 1); "The Adventure Continues . . .", by Joni Frey (p. 2); "The End of the Adventure . . .", by Helen Crewse (p. 2).

Cook, James H.

1919 19.3393 Wild horses of the plains. *Natural History*, 19(1) (January): 104-110.

► See p. 104: "Recently, while on a visit to the Grand Cañon, I met an old resident [John Hance?] who told me that during the past few years he had seen several small flocks of passenger pigeons in the timber of the mesa lands along the Colorado River. He said he had seen and killed many 'back East' when he was a boy, and that he knew well the difference between the 'banded tailed' or 'wood pigeon' of the West, and the passenger pigeon." (ENTIRE NOTE)

Cooke, W. W.

1909 19.3343 The migration of vireos. Second paper. Compiled by Professor W. W. Cooke, chiefly from data in the Biological Survey. With drawings by Louis Agassiz Fuertes. *Bird-Lore*, 11(3) (May/June): 118-120, illustrations.

► See "Gray Vireo", p. 120; "a late fall record is September 14, 1889, at the Grand Cañon of the Colorado, Arizona." (ENTIRE NOTE)

Cooley, Bea

2005 19.2499 Hopi Point condor chick fledged. *Blackhawk Watch* (Northern Arizona Audubon Society), (January/February):.

Coomber, Richard

2011 19.4017 Scenic splendor; 16-31 May. *Ornitholidays Newsletter* (Wessex Travel and Ornitholidays Limited, Romsey, Hampshire, England), (March): 4-5.

► Ornithologically focused itinerary for Southwestern commercial tour. Includes Grand Canyon North Rim and Vermilion Cliffs.

Corbyn, Zoë

2011 19.4744 California condor trapping over the Grand Canyon. *New Scientist*, 212(2843) (December 17): 14.

Corman,Troy E.

2012 19.5738 Winter seasonal hightlights. *AZFO News* (Arizona Field Ornithologists), 3(1) (Spring): 2.

► "Northern Arizona had its highlights including a first state record, in the form of not one but two separate Common Redpolls in mid-February. One was in House Rock Valley and the other at Grand Canyon Village, both Coconino Co." (ENTIRE NOTE)

2013 19.4355 Winter seasonal highlights. *AZFO News* (Arizona Field Ornithologists), 4(1) (Spring): 2.

► Includes note of "(White-Winged) Dark-Eyed Junco" at Grand Canyon National Park in mid-December, and "two Black-Capped Chickadees were documented for the second winter in a row in Fredonia". (No details.)

Corman, Troy E., AND Wise-Gervais, Cathryn

2005 19.3178 *Arizona breeding bird atlas.* Albuquerque: University of New Mexico Press, 636 pp.

Corry, Patricia

2004 19.2447 No shit, there I was . . . *Boatman's Quarterly Review*, 17(1) (Spring): 11. [Ellipsis is part of title.]

► Canyon wren.

Cossavella, Brianna

2016 19.5014 Desert bighorn sheep. *In:* The Journal [SECTION]. *Arizona Highways*, 92(7) (July): 13.

► Photo and legend, bighorn lamb leaping along Havasu Creek.

Côté, Mathieu; Ferron, Jean; Saint-Laurent, Martin-Hughes; AND Caron, Alain

2001 19.4030 *Utilisation de différents types de forêt résiduelle après coupe en forêt boréale par trois espèces de sciuridés.* Rimouski, Québec: Université de Québec à Rimouski, *for* Canada, Ministère des Ressources Naturelles, and Société de la Faune et des Parcs du Québec, 66 pp. [In French.]

► See p. 12, note on Kaibab squirrel.

Coues, Elliott

1882 19.3269 Nesting of the white-bellied wren (*Thryothorus bewicki leucogaster*). *Nuttall Ornithological Club, Bulletin*, 7(1) (January): 52-53.

► Note from travels in northern Arizona, "while traveling from Fort Whipple to view the Grand Cañon of the Colorado." (p. 52).

1896 19.3660 *Key to North American birds. Containing a concise account of every species of living and fossil bird at present known from the continent north of the Mexican and United*

States boundary, inclusive of Greenland and Lower California, with which are incorporated General Ornithology: An outline of the structure and classification of birds : and Field Ornithology, a manual of collecting, preparing, and preserving birds. Boston: Estes and Lauriat, 4th ed., 907 pp.

► See p. 437, *Sayiornis nigricans*, with note: "I have seen it at the *bottom* of the Grand Cañon of the Colorado, some 6,000 feet below the surface of the earth!" (ENTIRE NOTE)

Count, E. W. [Count, Earl W.]

1929 19.483 The gathering of the jay clan (Cyanocephalus cyanocephalus). *Grand Canyon Nature Notes*, 4(1) (September 30): 2.

1929 19.485 Avian cliff-dwellers. *Grand Canyon Nature Notes*, 4(3) (November 30): 18.

► Swifts and swallows.

1930 19.491 Briefs. *Grand Canyon Nature Notes*, 4(12) (October 31): 90.

► Lizards, skunks, Abert squirrels, rock squirrels, hummingbirds, South Rim deer.

1994 19.501 Avian cliff-dwellers. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 98-99.

► Reprinted from *Grand Canyon Nature Notes*, November, 1929.

1994 19.502 The gathering of the jay clan. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 101-102.

► Reprinted from *Grand Canyon Nature Notes*, September, 1929.

Crocker-Bedford, D. Coleman

1990 19.2282 Goshawk reproduction and forest management. *Wildlife Society Bulletin*, 18(3): 262-269.

1998 19.4194 The value of demographic and habitat studies in determining the status of northern goshawks (*Accipiter gentilis atricapillus*) with special reference to Crocker-Bedford (1990) and Kennedy (1997). *Journal of Raptor Research*, 32(4): 323-329.

► Comment on article by Patricia L. Kennedy in 31(2): 95-106, 1997 (ITEM NO. 19.4192); with reference to Crocker-Bedford's 1990 paper (ITEM NO. 19.2282).

Crocker-Bedford, D. Coleman, AND Chaney, B.

1988 19.2283 Characteristics of goshawk nesting stands. *National Wildlife Federation, Scientific and Technical Series*, (11), pp. 210-217.

Crockett, H. L., AND Crockett, R.

1941 19.513 Birds of the Grand Canyon. *Arizona Highways*, 17(6) (June): 16.

1943 19.514 More Arizona birds. *Arizona Highways*, 19(5) (May): 26-31, 37.

Crumbo, Kim

2008 19.6303 Grand Canyon condors are at risk. *Arizona Wild* (Arizona Wilderness Coalition), (Fall/Winter 2008/2009): 11.

Cruz Romo, Jesús Lizardo; Cruz Molina, Ismael; AND Cruz Robles, Elvia de la

2012 19.4014 (EDS.) *Programa de Acción para la Conservación de la Especie: Cóndor de California (*Gymnogyps californianus*).* Tlalpan, México D.F.: Secretaría de Medio Ambiente y Recursos Naturales; and Instituto Nacional de Ecología, Comisión Nacional de Áreas Naturales Protegidas, 87 pp. [In Spanish.]

► Condors. Overviews include historical distributions and programs in Arizona.

D

Damborg, Steffen

1998 19.4828 Gennembrud på det Amerikanske marked. *Vindformation* (Vindmølleindustrien, København), (13) (October): 8-11. [In Danish.]

► Southwestern U.S. Includes note and photo of condors at Grand Canyon, p. 8.

Daw, Sonya

2014 19.5693 *Species fact sheet : Family Tyrannidae : southwestern willow flycatcher :* Empidonax trailii extimus : *rare species.* [No place]: southwestlearning.org [Learning Center of the American Southwest], [3] pp. ("Rev. 07.08.2014".) [Includes U.S. National Park Service logo.]

De Volo, Shelley Bayard; Reynolds, Richard T.; Douglas, Marlis R.; AND Antolin, Michael F.

2008 19.2858 An improved extraction method to increase DNA yield from molted feathers. *The Condor*, 110(4): 762-766.

► Samples from "molted feathers from free-ranging goshawks from across the North Kaibab Plateau in northern Arizona."

Dewhurst, Stephen M.; Covington, W. W.; AND Wood, D.

1995 19.556 Developing a model for adaptive ecosystem management: goshawk management on Arizona's Kaibab Plateau. *Journal of Forestry*, 93 (December): 35-41.

Dickson, Brett G.

2012 19.4255 (PRINCIPAL INVESTIGATOR) *Occupancy models for monitoring songbird species on the Kaibab National Forest : interim report.* Flagstaff, Arizona: Northern Arizona University, Laboratory of Landscape Ecology and Conservation Biology, 8 pp.

2013 19.4257 (PRINCIPAL INVESTIGATOR) *Statistical analysis for northern goshawk surveys (2012) : interim report.* Flagstaff, Arizona: Northern Arizona University, Laboratory of Landscape Ecology and Conservation Biology, 6 pp.

► Southern units of Kaibab National Forest, including Tusayan Ranger District.

Dickson, Brett G.; Sisk, Thomas D.; Sesnie, Steven E.; Reynolds, Richard T.; Rosenstock, Steven S.; Vojta, Christina D.; Ingraldi, Michael F.; AND Rundall, Jill M.

2014 19.5950 Integrating single-species management and landscape conservation using regional habitat occurrence models: the northern goshawk in the Southwest, USA. *Landscape Ecology*, 29: 803-815 + Electronic Supplementary Material accessible at https://link.springer.com/article/10.1007%2Fs10980-014-0013-3, 5 pp.

► Includes Kaibab Plateau and vicinity of South Rim of Grand Canyon.

Dixon, Joseph S.

1942 19.559 *Wildlife portfolio of the western national parks.* Washington, D.C.: U.S. Government Printing Office, 121 pp.

► Systematically arranged; mammals, birds, and reptiles.

Dodge, Natt N.

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1992 19.786 Raptor redux. *National Parks*, 66(7/8): 28-33.

Huey, Laurence M.

1939 19.792 Birds of the Mount Trumbull region, Arizona. *The Auk*, 56(3) (July): 320-325.

Hunt, W. Grainger; Parish, Chris N. [Parish, Christopher N.]**; Farry, Shawn C.; AND Lord, Thom**

2005 19.5307 Movements of introduced California condors in Arizona in relation to lead exposure [ABSTRACT]. *In: Abstracts : One hundred and twenty-third Stated Meeting of the American Ornithologists' Union, 23-27 August 2005 at the University of California, Santa Barbara, CA*, abstract s51.

► American Ornithologists' Union, 123rd Meeting. Volume notes: "The abstracts in this work are not issued for the permanent scientific record."

Hunt, W. Grainger; Parish, Chris [Parish, Christopher N.]**; Farry, Shawn C.; Lord, Thom G.; AND Sieg, Ron**

2007 19.5360 Movements of introduced California condors in Arizona in relation to lead exposure. *In:* Mee, Allan, and Hall, Linnea S. (eds.), *California condors in the 21st century.* Cambridge, Massachusetts: Nuttall Ornithological Club, and Washington, D.C.: American Ornithologists' Union, pp. 79-96. (Volume: Series in Ornithology, 2.)

Hunt, W. Grainger; Parish, Christopher N.; Orr, Kathy; AND Aquilar, Roberto F.

2009 19.3005 Lead poisoning and the reintroduction of the California condor in northern Arizona. *Journal of Avian Medicine and Surgery*, 23(2) (June): 145-150.

Hunter, William C.; Ohmart, Robert D.; AND Anderson, Bertin W.

1987 19.4270 Status of breeding riparian-obligate birds in southwestern riverine systems. *Western Birds*, 18: 10-18.

► Includes Grand Canyon, lower Virgin River, and lower Colorado River.

Huntington, Maggie

2004 19.6095 The most exciting show. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(4) (April): 12.

► Brief remarks on watching condors and ravens at the South Rim.

J

Jacobsen, Rachel

2011 19.3467 Endangered and Threatened wildlife and plants; designation of Revised Critical Habitat for southwestern willow flycatcher. *Federal Register*, 76(157) (August 15): 50542-50629.

2013 19.4055 Endangered and Threatened wildlife and plants; Designation of critical habitat for *Sphaeralcea gierischii* (Gierisch mallow). *Federal Register*, 78(156) (August 13): 49165-49183. [Responsible administrator's name misspelled Jacobson.]

Jaffe, Matt

2024 19.6862 Talon search. Because of its location along the Intermountain Flyway, the Grand Canyon plays an important role in monitoring the migration of raptors. Every year since 1991, HawkWatch International has maintained a seasonal observation station on the South Rim, and the data that's gathered helps researchers get a sense of whether the numbers are rising, declining or staying the same, thus allowing them to focus resources on those species that need it most. *Arizona Highways*, 100(5) (May): 46-51.

► Illustrated with photos by John Sherman, National Park Service, and Jesse Watson/HawWatch International.

James, Michele

2003 19.2384 California condors soaring above Grand Canyon. *Colorado Plateau Advocate*, (Summer): 18.

Jantzen, R. A.

1957 19.806 *Turkey hunt information. Completion report, Project W-53-R-7, Work Plan 2, Job 7.* Phoenix: Arizona Game and Fish Department, 11 pp.

1959 19.807 Research needs for Merriam turkey in Arizona. *In:* Strode, D. H., and Hardy, F. (chairmen), *Proceedings of the First National Wild Turkey Management Symposium.* Wildlife Society, Southeastern Section, Forest Game Committee, pp. 183-191.

Jenks, Randolf

1931 19.808 Ornithology of the life zones; summit of San Francisco Mts. to bottom of Grand Canyon. *Grand Canyon National Park, Technical Bulletin 5*, 31 pp., Errata, 1 p.

► Supplemented by "Miscellaneous bird notes from the San Francisco Mountains", by Lyndon L. Hargrave, *Grand Canyon National Park, Technical Bulletin 5a*, 1932, 2 pp.; does not include immediate Grand Canyon region.

1931 19.809 Birding in Grand Canyon. *Grand Canyon Nature Notes*, 5(8) (June): 75-77.

► Observations from an Inner Canyon trip.

1931 19.810 Some birds and their nests on the Kaibab. *Grand Canyon Nature Notes*, 5(10) (August): 101-105.

1932 19.811 Recent bird records from Havasu Canyon. *Grand Canyon Nature Notes*, 7(5) (August): 53.

1934 19.812 Unusual nesting records from northern Arizona. *The Condor*, 36: 172-176.

► Includes observations from the Kaibab Plateau.

1994 19.813 Birding in Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 99-100.

► Reprinted from *Grand Canyon Nature Notes*, June, 1931. Observations from an Inner Canyon trip.

Jenks, Randolf, AND Stevenson, J.

1937 19.814 Northern Arizona bird notes. *The Condor*, 39: 40-41.

► Includes brief Grand Canyon notes.

Jennings, Frank, AND Parish, Chris

2007 19.2660 Condor love; a vulture threesome and an uncle biologist stave off extinction. *Arizona Highways*, 83(6) (June): 16-19.

Jenness, Jeffrey S.; Beier, Paul; AND Ganey, Joseph L.

2004 19.2530 Associations between forest fire and Mexican Spotted Owls. *Forest Science*, 50(6) (December): 765-772.

► Map of study sites includes six (grouped as one point) north of Flagstaff, apparently near Grand Canyon South Rim. Not separately identified in text.

Jenson, Tom

1994 19.815 California condors may return to Canyon. *Colorado Plateau Advocate*, (Fall/Winter): 3. [Article signed "T.J."]

Johnson, J.

1976 19.817 Seventy-sixth Christmas bird count. *American Birds*, 30: 554-555.

Johnson, Matthew J., AND Sogge, Mark K.

1992 19.819 Southwestern willow flycatcher surveys conducted along the Colorado River corridor. *Colorado Plateau*, 2(4): 1, 8.

1995 19.820 Cowbird concentrations at livestock corrals in Grand Canyon National Park. *In:* Riper, Charles van, III (ed.), *Proceedings of the Second Biennial Conference on Research in Colorado Plateau National Parks*. U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-95/11, pp. 275-284.

2015 19.4756 Cowbird concentrations at livestock corrals in Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 23.

Johnson, Matthew J.; Ellison, Laura E.; AND Sogge, Mark K.

1993 19.821 Southwestern willow flycatcher declines in Grand Canyon National Park. *Park Science* (U.S. National Park Service), 13(2) (Spring): 12-13.

Johnson, Matthew J.; Jamison, Levi; Ralston, Barbara E.; Makarick, Lori; AND Holmes, Jennifer

2012 19.4509 *2011 monitoring tamarisk foliage removal by the introduced tamarisk leaf beetle (*Diorhabda carinulata*), and its effects on avian habitat parameters along the Colorado River in Grand Canyon National Park, Arizona.* [No place]: U.S. National Park Service; *in cooperation with* Northern Arizona University, 71 pp. [Date given on p. iv.]

Johnson, Matthew J.; Ralston, Barbara; Holmes, Jennifer A.; AND Calvo, Christopher

NO DATE 19.5992 *Task 4.5 final sampling/monitoring report : Arizona Water Protection Fund Grand; inventory of tamarisk leaf beetle and effects on riparian habitat in the Colorado, Verde, Salt and Tonto Rivers, 2011, 2012 and 2013.* Flagstaff, Arizona: Northern Arizona University, Colorado Plateau Research Station; and U.S. Geological Survey, Southwest Biological Science Center, *for* Arizona Water Protection Fund, 102 pp.

► Study area on Colorado River is between Glen Canyon Dam and Lees Ferry.

Johnson, Matthew J.; Ralston, Barbara; Makarick, Lori; AND Holmes, Jennifer

2011 19.3905 Status and implications of tamarisk beetle (*Diorhabda carinulata*) along the Colorado River in Glen and Grand Canyons [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*. [Effects on habitat.]

Johnson, R. Roy, AND Carothers, Steven W.

1974 19.6928 The status of raptors in the Colorado River drainage of Arizona and New Mexico [ABSTRACT]. *In:* Proceedings of the 18th Annual Meeting of the Arizona Academy of Science, April 19-20, 1974, Northern Arizona University, Flagstaff, Arizona. *Arizona Academy of Science, Journal*, 9 (April, Proceedings Supplement): 8

Johnson, R. Roy; Carothers, Steven W.; AND Sharber, N. J.

1976 19.823 *Grand Canyon birds: field check list.* Grand Canyon, Arizona: Grand Canyon Natural History Association.

Johnson, R. Roy; Haight, Lois T.; Smith, E. L.; AND Tomko, Dennis S.

1977 19.825 First ovenbird specimens from Arizona. *The Auk*, 94: 142.

► Includes immature female from a site near the confluence of Bright Angel Creek.

Johnson, Terry B., AND Garrison, Barbara A.

1996 19.2712 *California condor reintroduction proposal for the Vermilion Cliffs, northern Arizona. Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 86*, 102 pp.

► Preceded by a Public Review Draft, [January 1996] (not seen).

Joint Raptor Research Foundation, Inc., AND The Wildlife Society Technical Committee on the Status of Northern Goshawks in the Western United States (Andersen, David E. [chair], DeStefano, Stephen; Goldstein, Michael I.; Titus, Kimberly; Crocker-Bedford, Cole; Keane, John J.; Anthony, Robert G.; AND Rosenfield, Robert N.)

2003 19.4190 *Technical review of the status of northern goshawks in the western United States : final report.* [No place]: Joint Raptor Research Foundation, Inc., and The Wildlife Society Technical Committee on the Status of Northern Goshawks in the Western United States, *for* The Raptor Research Foundation, Inc., and The Wildlife Society, 43 pp.

Jones, Harrison H.; Ray, Chris; Johnson, Matthew; AND Siegel, Rodney

2024 19.6874 Breeding birds of high-elevation mixed-confier forests have declined in national parks of the southwestern U.S. while lower-elevation species have increased, with responses to drought varying by habitat. *Ornithological Applications*, 126(2) (May), https://doi.org/10.1093/ornithapp/duae007.

► Includes Grand Canyon National Park.

Jones, Roy M., AND Rosenberg, Gary H.

2000 19.1985 Arizona. *North American Birds*, 54(2): 206-209.

Joy, Suzanne Meredith

2002 19.3046 *Northern goshawk habitat on the Kaibab National Forest in Arizona : factors affecting nest locations and territory quality.* Doctoral dissertation, Colorado State University, 223 pp.

Joy, Suzanne M.; Reich, Robin M.; AND Reynolds, Richard T.

2000 19.3047 Modeling small-scale variability in the composition of Goshawk habitat on the Kaibab National Forest. *In: Proceedings of the Eighth Forest Service Remote Sensing Applications Conference: Remote sensing and geospatial technologies for the new millennium : 2000 April 10-14, Albuquerque, NM.* Bethesda, Maryland: American Association for Photogrammetry and Remote Sensing, [11 pp.]

2003 19.2400 A non-parametric, supervised classification of vegetation types on the Kaibab National Forest using decision trees. *International Journal of Remote Sensing*, 24(9) (May): 1835-1852.

Joy, Suzanne M.; Reynolds, Richard T.; AND Leslie, Douglas G.

1994 19.2299 Northern goshawk broadcast surveys: hawk response variables and survey cost. *Studies in Avian Biology*, 16(23 November): 24-30.

K

Kaplinski, Matt [Kaplinski, Matthew A.]

2000 19.1964 Condor #50. *Boatman's Quarterly Review*, 13(2) (Spring): 47.

Keable, Ed [Keable, Edward T.]

2021 19.6593 [Field briefing.] *In:* Explorations with Ed [SECTION]. *Canyon Views* (Grand Canyon Conservancy), 28(1) (Spring/Summer): 5.

► Participation in National Audubon Society's 2020 Christmas Bird Count.

Kennard, F. H.

1924 19.867 Some Arizona notes. *The Condor*, 26: 76-77.

► Includes a few observations made at Grand Canyon South Rim.

Kennedy, Patricia L.

1997 19.4192 The northern goshawk (*Accipiter gentilis atricapillus*): Is there evidence of a population decline? *Journal of Raptor Research*, 31(2): 95-106.

► See also comments by K. Shawn Smallwood (ITEM NO. 19.4193) and D. Coleman Crocker-Bedford (ITEM NO. 19.4194), and reply by Kennedy (ITEM NO. 19.4195), all in issue 32(4): 323-342, 1998.

1998 19.4195 Evaluating northern goshawk (*Accipiter gentilis atricapillus*) population status: A reply to Smallwood and Crocker-Bedford. *Journal of Raptor Research*, 32(4): 336-342.

► Reply to comments (see K. S. Smallwood, ITEM NO. 19.4193, and D. C. Cocker-Bedford, ITEM NO. 19.4194), which pertained to Kennedy's 1997 paper (ITEM NO. 19.4192).

Kiff, Lloyd F.; Mesta, Robert I.; AND Wallace, Michael P.

1996 19.2438 *California condor (*Gymnogyps californianus*). Third revision. Recovery plan.* [No place]: Report for U.S. Fish and Wildlife Service, Region 1, Portland, Oregon, 62 pp. [Cover title: *Recovery plan for the California condor. April, 1996.*]

Kirkpatrick, John R.

1995 19.3298 Southwestern Region: Arizona, New Mexico, West Texas and Oklahoma amendment of National Forest plans in the Southwestern Region to include guidelines for management of habitat for the Mexican spotted owl and northern goshawk. *Federal Register*, 60(93) (May 15): 25884.

▶ Revised notice of intent to prepare Environmental Impact Statement.

Klaver, Robert W.; Backlund, Douglas; Bartelt, Paul E.; Erickson, Michael G.; Knowles, Craig J.; Knowles, Pamela R.; AND Wimberly, Michael C.

2012 19.4185 Spatial analysis of northern goshawk territories in the Black Hills, South Dakota. *The Condor*, 114(3): 532-543.

▶ Compares the Kaibab Plateau population.

Kline, Natasha

1992 19.879 Winter waterfowl surveys on the Colorado River below Glen Canyon Dam. *Colorado Plateau* (Colorado Plateau Research Station, Northern Arizona University), 2(2) (Spring): 1, 5.

Klug, Foster

2001 19.2023 Wild condor lays an egg. *The Waiting List* (Grand Canyon Private Boaters Association), 5(1) (Spring): 5.

▶ Associated Press item, also previously distributed via *gcbpa Newswire*, March 30, 2001.

Koronkiewicz, Thomas J.; McLeod, Mary Anne; Brown, Bryan T.; AND Carothers, Steven W.

2004 19.3953 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS, 125+ pp. [176 pp. total].

▶ For errata, see report for 2004 (M. A. McLeod *et al.* (2005, ITEM NO. 11.4336).

2006 19.3954 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2005 : annual report.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [300 pp. total].

Kraus, Paul

1933 19.884 An outrage. *Grand Canyon Nature Notes*, 8(8) (November): 209-210.

▶ Three chipmunks invade a pygmy nuthatch nest on the North Rim.

Kravitz, Irving

1934 19.5078 [Yellow-headed blackbird and Brewer's blackbirds at Grand Canyon Airport.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.

► Airfield at Red Butte.

Kremer, Stefan

2008 19.4590 Grand Canyon: Zwei Kondorküken lernen fliegen. *Southwest Chronicle* (USA Reporter, Magazin über den Südwesten der USA, Stolberg, Germany), (December): 5. [In German.]

► "Grand Canyon: Two condors chicks learn to fly."

L

La Sorte, Frank A.

2004 19.3048 *Habitat association of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau, Arizona.* Master's thesis, University of Arizona, 62 pp.

La Sorte, Frank A.; Mannan, R. William; Reynolds, Richard T.; AND Grubb, Teryl G.

2004 19.2483 Habitat associations of sympatric red-tailed hawks and northern goshawks on the Kaibab Plateau. *Journal of Wildlife Management*, 68(2): 307-317.

Lambert, Carrie M. E.; Reynolds, Richard T.; AND Savidge, Julie A.

2010 19.4245 Identifying individual northern goshawks (*Accipiter gentilis*) using patterns on molted feathers [ABSTRACT]. *In: Raptors in a Changing World : Raptor Research Foundation, 2010 Annual Meeting, Program and Abstracts, Fort Collins, Colorado, September 22-26, 2010*, p. 87.

► Kaibab Plateau.

Lambert, Jeffrey S.; Reynolds, Richard T.; AND Binkley, Daniel

2010 19.4246 The 2006 Kaibab Plateau Warm fire: Effects of fire severity on the northern goshawk (*Accipiter gentilis*) [ABSTRACT]. *In: Raptors in a Changing World : Raptor Research Foundation, 2010 Annual Meeting, Program and Abstracts, Fort Collins, Colorado, September 22-26, 2010*, p. 87.

LaRue, Charles T.; Dickson, Lara L.; Brown, Nikolle L.; Spence, John R.; AND Stevens, Lawrence E.

2001 19.2276 Recent bird records from the Grand Canyon region. *Western Birds*, 32(2) (September): 101-118.

Leavengood, Betty

2000 19.1986 Saving the condors. *The Bulletin* (Grand Canyon Pioneers Society), 4(10): 1, 3.

Ledbetter, Jeri D.

1996 19.909 Sharing the skies (or not). *Boatman's Quarterly Review*, 9(2): 5.

► California condors.

Lee, Dan

2011 19.4012 The bird word. *Arizona Seed Crackers Society* (Mesa, Arizona), (October): cover, 7-9.

► Condor release at Vermilion Cliffs.

2011 19.4013 California condor release. *Flappers* (Flapping Feathers Parrot Club, Fairlawn, New Jersey), 2(10) (October): 9-10.

► "This article originally appeared in the October *Arizona Seed Crackers Society* newsletter". Vermilion Cliffs.

Lee, Melicent Humason

1920 19.911 Notes on a few birds of the Grand Canyon, Arizona. *The Condor*, 22(5) (September/October): 171-172.

► Near Indian Gardens.

Leibfried, William C., AND Montgomery, W. Linn

1993 19.918 Regulated flows, trout spawning, and abundance of bald eagles on the Colorado River, Grand Canyon National Park. *In:* Rowlands, Peter G., Riper, Charles van, III, and Sogge, Mark K. (eds.), *Proceedings of the First Biennial Conference on Research in Colorado Plateau National Parks.* U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-93/10, pp. 37-48.

2015 19.4748 Regulated flows, trout spawning, and abundance of bald eagles on the Colorado River, Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 8.

Leishman, W.

1973 19.920 Seventy-third Christmas bird count, Grand Canyon. *American Birds*, 27: 480.

1974 19.921 Seventy-fourth Christmas bird count, Grand Canyon. *American Birds*, 28: 489.

1975 19.922 Seventy-fifth Christmas bird count, Grand Canyon. *American Birds*, 29: 531-532.

Lemelin, Guy

2016 19.5265 Voyage dans le sud-ouest américain de Tucson à Montréal; seconde partie. *In:* Ornitho-voyage [SECTION]. *Le Bulletin Ornithologique* (Club des Ornithologiques de Québec), 61(2) (September): 36-38. [Contents page gives date as Autumn.] [In French.]

► Article begins with a report, "Du 23 au 25 juillet—Jours 24 à 26 : nord de l'Arizona (Grand Canyon National Park)".

Leslie, Elaine

1998 19.926 Peregrine falcon; an avian success. *Nature Notes* (Grand Canyon National Park), 14(2) (Winter): 8-9.

2000 19.1987 "Up, up and away"—Condors back in the air. *The Waiting List* (Grand Canyon Private Boaters Association), 4(3) (Fall): 38.

2000 19.2007 More condors. *Boatman's Quarterly Review*, 13(4) (Winter): 26. [Issue distributed late January 2001.]

2002 19.2346 A visitor to Grand Canyon National Park thrills to the sight of a California condor. *Endangered Species Bulletin*, 27(1) (January/February): cover, 1.

2002 19.2897 California condors of the Colorado Plateau [ABSTRACT]. *In:* Davies, Kate, Delach, Aimee, Epstein, Liz, and Selden, Mary (compilers), From the Mountains to the Sea: A Conference on Carnivore Biology and Conservation, November 17-20, 2002, Monterey, California. *Proceedings and Agenda for Defenders of Wildlife's Carnivores 2002*, p. 245.

2003 19.2364 Colorado Plateau condor update. *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 5.

2003 19.2798 Hopes high for condor nesting success. *In: Natural Resource Year in Review—2002.* Denver: U.S. National Park Service, Natural Resource Information Division, Natural Resource Program Center, pp. 42-43.

2004 19.2795 Condors on the Colorado Plateau reach new heights. *In: Natural Resource Year in Review—2003.* Denver: U.S. National Park Service, Natural Resource Information Division, Natural Resource Program Center, p. 83.

2004 19.5954 California condors of the Colorado Plateau. *In:* Harmon, David, Kilgore, Bruce M., and Vietzke, Gay E. (eds.), *Protecting our diverse heritage: The role of parks, protected areas, and cultural sites : proceedings of the 2003 George Wright Society/National Park Service Joint Conference.* Hancock, Michigan: The George Wright Society, pp. 322-325.

Levad, Rich

2010 19.6889 *The coolest bird : a natural history of the Black Swift and those who have pursued it.* [No imprint], 152 pp. [Cover sheet indicates 2007; verso indicates "© 2010 American Birding Association".]

► Regarding the Black Swift, a sighting of which has not been confirmed in Arizona, see discussions including correspondence about potential sightings in Havasu Canyon (pp. 48-50, 52, 82).

Likens, Terri

2000 19.1988 Condors back in captivity. *In:* Hotline [SECTION]. *High Country News*, 32(15) (August 14): 4.

2001 19.2047 A bird from the past, a warning for the future. *High Country News*, 33(12) (June 18): 16.

► Condors.

Linder, Kathleen Ann

1992 19.931 *Review of avian communities and impacts of Glen Canyon Dam in the Grand Canyon.* Phoenix: U.S. Fish and Wildlife Service, 43 pp. + 2 appendices [25] pp.

Linsdale, J. M.

1937 19.932 The natural history of magpies. *Pacific Coast Avifauna* (Cooper Ornithological Club), (25), 234 pp.

► In Arizona: "Recently the observation of several magpies along the south rim of the cañon in Grand Cañon National Park has been recorded by Clyde Searl (Grand Cañon Nature Notes, vol. 4, no. 11, Aug. 31, 1930, p. 8)." [*sic*] (ENTIRE NOTE)

Lord, Thom

2006 19.2636 Condor notes. *Grand Canyon River Runner*, (3) (Fall): 10-11.

2007 19.2661 Condor notes. *Grand Canyon River Runner*, (4) (Spring): 11.

Lynch, Eamon

1996 19.940 The plight of the condor. *Audubon*, 98(6) (November/December): 21-22.

M

Mace, Michael

2017 19.6191 *California condor North American studbook :* Gymnogyps californianus*.* Escondido, California: San Diego Zoo Global, 146+ pp. (Copyright San Diego Zoo Safari Park.) [Cover sheet includes imprints of U.S. Fish and Wildlife Service, and Association of Zoos and Aquariums. Version seen dated April 11, 2017. Another version seen dated March 7, 2013, 109+ pp.]

► Includes Vermilion Cliffs, Arizona, populations.

Manchado, Josep

2017 19.6770 Far West. *In:* Es Busqueret se'n va de viatge [SECTION]. *Es Busqueret* (Divulgació naturalística de les Illes Balears) (Grup Belear d'Ornitologia i Defensa de la Naturalesa, Palma, Spain), (44) (August): 36-47. [In Catalan.]

► Ornithologically focused trip to western U.S. See "Grand Canyon N.P.: Un lloc on les araules no basten" (p. 40, and photo, pp. 42-43), and "Vermellion Cliffs/Navajo Bridge" (pp. 40, 44.)

Manning, Elizabeth

1996 19.951 Some big birds come back. *High Country News*, (November 25): 4.

► Condors.

Manns, Timothy R.

1992 19.952 (COMPILER) Pipe Spring, N.M., AZ. *In:* [92nd Christmas bird count]. *American Birds*, 46(4): 937. [Pipe Spring National Monument, Arizona.]

Marston, Betsy

2001 19.2025 [Grand Canyon condor lays first egg produced by endangered birds since captive breeding program began in 1986; but egg damaged.] *In:* Heard Around the West [SECTION]. *High Country News*, 33(9) (May 7): 15.

Martin, Paul S.

2001 19.2048 Now, that's NEWS! *In:* Flipped Out—Letters to the GCPBA [SECTION]. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 37.

► Condors.

Mason, Jean

2017 19.6192 Condor confidential. *Friends of the Rio Grande Nature Center* (Albuquerque, New Mexico), (February):.

Maxa, Christine, AND Miles, Bob

2004 19.2465 Triumph of the condors; with caretakers' help, the great soaring birds fight to survive in northern Arizona. *Arizona Highways*, 80(6) (June): 30-32. [Cover title: Flight of the Condors. Table of Contents title: Biologists Strive to Help Condors Succeed.]

May, Roy H., Jr. [May, Roy]

2020 19.6561 Swainson's hawks head south. *BlackHawk Watch* (Northern Arizona Audubon Society), 49(2) (November/December): 2.

► Item begins with note of seeing in late August 1919 Swainson's hawks gathering at "De Motte meadow" (DeMotte Park, Kaibab Plateau) "for their migration to the pampas of Argentina"; and note of their migration over Yaki Point, Grand Canyon.

2024 19.6956 Early twentieth century bird studies at the Grand Canyon and San Francisco Mountain region. *The Ol' Pioneer* (Grand Canyon Historical Society), 35(4) (Fall): cover, 1, 3-14.

McAtee, W. L.

1911 19.3405 Woodpeckers in relation to trees and wood products. *U.S. Department of Agriculture, Biological Survey, Bulletin 39*, 99 pp.

► See under "List of Betulaceae Attacked", p. 31: "Hop hornbeam (*Ostrya knowltoni*).—Talfrey, Ariz. (A. A. and A. M. 349)." (ENTIRE NOTE) This is Tolfree post office, at Hance's, Grand Canyon. *Ostrya knowltonii* Cov.

McDole, Margaret, AND Meremonte, Mark

2007 19.6471 Condors soar over the Grand Canyon. *The Dipper* (Evergreen Naturalists Audubon Society, Evergreen, Colorado), 37(8) (October): 5.

McCain, Edward

1994 19.976 [Photograph of wild turkey at Bright Angel Campground.] *Arizona Highways*, 70(2) (February): 1.

McCarthey, T. D.; Paradzick, C. E.; Rourke, J. W.; Sumner, M. W.; AND Davidson, R. F.

1998 19.5670 Arizona Partners in Flight : southwestern willow flycatcher 1997 survey and nest monitoring report. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 130*.

McCarty, Kyle M.; Licence, Kurt; AND Jacobson, Kenneth V.

2013 19.6186 Arizona golden eagle nest survey 2013. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 277*, 30 pp.

► Helicopter surveys; see figure 1 (p. 2) for map of raw flight tracks in the area south of the Grand Canyon.

McDaniel, Douglas, AND Sherman, John

2015 19.4887 Plight of the condor; a photographer's pursuit of an endangered species. *Flagstaff Live!*, 21(43) (October 22-28): 1, 3, 14-17.

► Photographer John Sherman.

McHenry, Donald Edward

1932 19.1017 Field observations. *Grand Canyon Nature Notes*, 7(7) (October):.

► Mule deer bucks in combat near North Rim ranger station. White-rumped shrikes at Bright Angel Point and Cape Royal, uncommon on North Rim.

1933 19.996 A broken-winged robin. *Grand Canyon Nature Notes*, 8(5) (August): 178-181.

McKee, Barbara H. *see also* Hastings, Barbara

1934 19.1024 Raven vs. squirrel. *Grand Canyon Nature Notes*, 8(11) (February): 247.

1934 19.1026 Some habits of two ravens. *Grand Canyon Nature Notes*, 9(7) (October): 331-333.
► "Darby" and "Joan".

McKee, Edwin D.

1927 19.1030 Trailside nests. *Grand Canyon Nature Notes*, 2(1) (June 30): 3-4.
► Bird nests.

1927 19.1032 Birds of the Havasupai Canyon. *Grand Canyon Nature Notes*, 2(3) (August 31): 2.

1928 19.1033 Bird life on the Tonto Platform. *Grand Canyon Nature Notes*, 3(1) (June 30): 2-3.

1928 19.1035 New bird records for park. *Grand Canyon Nature Notes*, 3(3) (August 31): 2.

1929 19.1037 Odds and ends. *Grand Canyon Nature Notes*, 3(9) (May 31): 6.
► Flammulated screech owl, eastern kingbird, spotted skunks, tent caterpillars, water ouzel nests.

1929 19.1038 Heralds of summer. *Grand Canyon Nature Notes*, 3(10) (June 30): 6-7.
► Birds, flowers, butterflies, insects.

1929 19.1039 The horned owl. *Grand Canyon Nature Notes*, 3(11) (July 31): 4.

1929 19.1041 Hither and yon. *Grand Canyon Nature Notes*, 4(2) (October 31): 13-14.
► Includes brief notes of American bald eagle in Hance Canyon, tarantulas on South Rim, and horned toad canibalism.

1929 19.1042 Feathered friends. *Grand Canyon Nature Notes*, 4(3) (November 30): cover, 15-16.

1930 19.1046 *Preliminary check list of birds : Grand Canyon.* U.S. National Park Service, Grand Canyon National Park, 15 pp.

1930 19.1047 Briefs. *Grand Canyon Nature Notes*, 4(6) (April 30): 37.
► Includes brief notes of birds, butterflies, and fishing in Bright Angel Creek.

1930 19.1049 The canyon towhee. *Grand Canyon Nature Notes*, 4(11) (September 30): 80.
► New record for Grand Canyon; seen on South Rim.

1930 19.1050 Geological and wildlife observations between Bass Canyon and Hermit Canyon. *Grand Canyon Nature Notes*, 5(1) (November 30): contents page, 3-10.

1930 19.1051 Small but mighty. *Grand Canyon Nature Notes*, 5(2) (December 31): contents page, 12.
► Juncos, sparrows, jays, nuthatches.

1931 19.5385 [American coot.] *In:* Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61.

► "Mud hen" found dead at Grand Canyon village; second canyon record after one at Desert View Point.

1931 19.5386 [Plumbeous vireo.] *In:* Notelets [SECTION]. *Grand Canyon Nature Notes*, 5(6) (April): 61.

► First seen April 21 around Grand Canyon village.

1931 19.1108 [Aiken screech owl.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69.

► Specimen taken near Grand Canyon village; first record from Grand Canyon National Park.

1931 19.5388 [White-throated swifts.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70.

► Possible nests in crevices in the Coconino Sandstone along Bright Angel Trail.

1931 19.5397 Some interesting bird records for May. *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(8) (June): 83.

► See also Errata, 6(3) (January 1932): 28.

1931 19.1055 A quarrel among bird families. *Grand Canyon Nature Notes*, 5(11) (September): 117.

1931 19.1056 Additional notes on the Tanner Trail trip. *Grand Canyon Nature Notes*, 5(12) (October): 121-122.

► Natural history observations. See also Vernon Bailey, p. 119 in this issue (ITEM NO. 19.201). See also follow-up identification in 6(1) (November): 15 (Anonymous, 1931, ITEM NO. 19.62).

1931 19.1057 [Great Thumb.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(1) (November): 13.

► Junipers of Great Thumb Point. Also note of numerous juniper berries in coyote droppings here.

1931 19.5397 [Ashy ruby-crowned kinglets "extremely numerous" along Bright Angel Creek.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(2) (December): 22.

1932 19.1059 [First record of Arizona spotted owl, *Strixoccidentalis lucida* Nelson, at Grand Canyon; found dead at Indian Garden.] *In:* Special Notes [SECTION]. *Grand Canyon Nature Notes*, 6(3) (January): 28.

1932 19.1061 [Bird observations.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(4): 34.

► Western evening grosbeaks on Bright Angel Trail. Solitary robin in late January in Grand Canyon village.

1932 19.5399 [Early bird arrivals on South Rim.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(5) (March): 47.

1932 19.5398 [Western belted kingfishers numerous along Bright Angel Creek all winter.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(5) (March): 47.

1932 19.1063 Some notes on bird feeding and photography. *Grand Canyon Nature Notes*, 7(1): 3-5.

1932 19.1064 Bird migration dates. *Grand Canyon Nature Notes*, 7(3): 28.

1932 19.1109 Field observations. *Grand Canyon Nature Notes*, 7(5) (August): 54.

► Pygmy nuthatch nest by Hopi House, Audubon's hermit thrush heard on Yaki Point road.

1932 19.1066 Recent bird notes. *Grand Canyon Nature Notes*, 7(9) (December): 91-92.

1933 19.1070 The hermit of Horn Creek. *Grand Canyon Nature Notes*, 7(11) (February): 116-118.

► Mexican spotted owl.

1933 19.1071 Bird banding in northern Arizona, Part II; Grand Canyon station. *Grand Canyon Nature Notes*, 7(12) (March): 121-123.

► For Part I, Flagstaff station, see 7(11) (Lyndon L. Hargrave, 1933, ITEM NO. 19.5060).

1933 19.1073 Junco visits both rims. *Grand Canyon Nature Notes*, 8(3) (June): 157.

1933 19.1075 Miscellany. *Grand Canyon Nature Notes*, 8(7): 205.

► Hawks, pigeons, woodpeckers.

1934 19.1078 Pinyon nuts as bird feed. *Grand Canyon Nature Notes*, 9(2) (May): 272-273.

1934 19.1111 [Western chipping sparrow, South Rim.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May): 280.

1934 19.5076 [Western goshawk seen carrying off chicken from Berry Ranch.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.

1934 19.5077 [Early record of white-throated swift, Grandview Point.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 9(2) (May):.

1934 19.5079 [Western belted kingfisher seen at tank near Pasture Wash Ranger Station.] *In:* Miscellaney [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.

1936 19.1084 Bird observations in Grand Canyon National Park from October 1, 1934, to October 1, 1935. *In:* Contributions to Grand Canyon ornithology. *Grand Canyon Natural History Association, Bulletin 4*, pp. 9-17.

1938 19.1085 Grand Canyon and birds. *Western Tanager* (Los Angeles Audubon Society), 1(5): 17-20.

1939 19.1086 Four species new to Grand Canyon National Park. *The Condor*, 41: 156-157.

► New bird records from South Rim and Inner Canyon.

1942 19.1089 Results from a bird banding station at Grand Canyon. *Plateau*, 15: 10-13.

1994 19.1100 The hermit of Horn Creek. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 102-103.

► Reprinted from *Grand Canyon Nature Notes*, February, 1933.

1994 19.1101 Bird migration dates. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 106.

▶ Reprinted from *Grand Canyon Nature Notes*, June, 1932.

1994 19.1102 Junco visits both rims. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 106-107.

▶ Reprinted from *Grand Canyon Nature Notes*, June, 1933.

McKinnon, Taylor

2002 19.2261 Williamson's sapsucker; a woodpecker who leaves a distinct signature on old growth. *In:* What's that sound coming from above? An in-depth look at specialized wildlife (squirrels to woodpeckers) in old growth. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 8.

McLeod, Mary Anne, AND Pellegrini, Anne

2012 19.3949 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2011 annual report.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [283 pp. total].

McLeod, Mary Anne, AND Koronkiewicz, Thomas J.

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2010 19.3951 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2009. Annual report.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS, 165 [166] pp.

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2005 19.3900 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2004 : annual report.* Flagstaff, Arizona: SWCA Environmental Consultants, 155 pp.

▶ Grand Canyon area, pp. 20-25.

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McLeod, Mary Anne; Koronkiewicz, Thomas J.; Nichols, Sarah R.; Brown, Bryan T.; AND Carothers, Steven W.

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McMillon, Bill

1995 19.1119 *Birding Arizona.* Helena, Montana: Falcon Press, 204 pp.

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2013 19.6778 Conservation and Education News [SECTION]. *The Vermilion Flycatcher* (Tucson Audubon Society), 58(4) (October/December).

► See p. 22, "Fall Raptor Migration Monitoring at Yaki Point, Grand Canyon". Announcement.

Megling, Sara

2004 19.3888 Messengers from heaven. *St. Paul's Printer* (Society of St. Paul, Sandy, Oregon), (Late Summer): 10-11.

► California condors in northern Arizona.

Meretsky, Vicky J.; Snyder, Noel F. R.; Beissinger, Steven R.; Clendenen, David A.; AND Wiley, James W.

2000 19.2520 Demography of the California condor: Implications for reestablishment. *Conservation Biology*, 14(4) (August): 957-967.

Merriam, C. Hart [Merriam, Clinton Hart]

1889 19.3286 Report of ornithologist and mammalogist. *U.S. Secretary of Agriculture, 1st Report*, pp. 363-376, Report of Ornithologist Plates 1, 2.

► See p. 376, "Flammulated screech owl. *Megascops flammeolus*.", including note of one specimen from the Grand Canyon.

1890 19.1146 Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *U.S. Department of Agriculture, North American Fauna*, (3), 136 pp., 13 plates, 5 maps.

► Includes new species.

1892 19.3282 The dwarf screech owl (*Megascops flammeolus idahoensis* Merriam). *The Auk*, 9(2) (April): 169-171, Plate 2.

► Note in passing, p. 170: "An equally accidental capture was that of the rare Flammulated Screech Owl shot by me at three o'clock in the morning while climbing out of the Grand Cañon of the Colorado by moonlight, Sept. 13, 1889. (N. Am. Fauna, No. 3, Sept., 1890, p. 91.)" (ENTIRE NOTE)

1974 19.3218 Results of a biological survey of the San Francisco Mountain region and the desert of the Little Colorado River, Arizona. *In: Selected works of Clinton Hart Merriam.* New York: Arno Press, [item 11 in unpaginated volume, with original pagination only]. (Natural Sciences in America, Keir B. Sterling, advisory ed.)

► Facsimile reprint of Merriam (1890, ITEM NO. 19.1146).

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Merrill, Art

2019 19.6394 AZGFD joins non-profits for lead-free ammo. *Bullet Trap* (Arizona State Rifle and Pistol Association, Phoenix), (March/April): 9-10.

► Focus on the California condor. Arizona Game and Fish Department.

Messinger, N. G.

1967 19.1152 Two June records of the Canada goose in Grand Canyon, Arizona. *The Condor*, 69: 319.

Mesta, Robert

1990 19.1153 Wintering bald eagles at Nankoweap Creek. *Colorado River Studies Office, Newsletter* (U.S. Bureau of Reclamation), 1: 6.

1996 19.2439 Endangered and threatened wildlife and plants: Establishment of a nonessential experimental population of California condors in northern Arizona; Final Rule. *Federal Register*, 61(201) (October 16): 54044-54060.

1996 19.1155 The California condor recovery program. *Colorado Plateau* (National Biological Service, Colorado Plateau Research Station, Northern Arizona University), 6(1) (Winter): 6-7

1996 19.1156 The California condor. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park, Technical Paper Series), (15) (February 15): [5]-[7].

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1998 19.4296 The Mexican spotted owl on the Colorado Plateau; recovery update. *The Mexican Spotted Owl on the Colorado Plateau*, (Spring), 3 pp.

Meyer, Frederick

2019 19.6054 Ravens soar. *The Ol' Pioneer* (Grand Canyon Historical Society), 30(1) (Winter): 6.

► Observations of ravens at Grand Canyon.

Milá, Borja; Toews, David P. L.; Smith, Thomas B.; AND Wayne, Robert K.

2011 19.5051 A cryptic contact zone between divergent mitochondrial DNA lineages in southwestern North America supports past introgressive hybridization in the yellow-rumped warbler complex (Aves: *Dendroica coronata*). *Linnean Society, Biological Journal*, 103: 696-706.

► Includes Kaibab Plateau.

Miller, Alden H.

1932 19.1161 The summer distribution of certain birds in central and northern Arizona. *The Condor*, 34: 96-99.

1941 19.1162 Speciation in the avian genus *Junco. University of California, Publications in Zoology*, 44(3): 173-434.

1949 19.1163 Some concepts of hybridization and intergradation in wild populations of birds. *The Auk*, 66: 338-342.

Miller, Alden H., AND Miller, Loye

1951 19.6601 Geographic variation of the screech owls of the deserts of western North America. *The Condor*, 53(4) (July/August): 161-177.

► Specimens examined include one individual of *Otus asio cineraceus* (Ridgway) from "Grand Canyon Village" (p. 169). See also p. 170, discussion of a record of *Otus asio mychophilus* from the South Rim.

Mills, S.; Alden, S.; AND Hubbard, J.

1975 19.1181 The fall migration: Southwest region. *American Birds*, 29: 98-103.

Mock, Karen E.; Latch, E. K.; AND Rhodes, O. E., Jr.

2004 19.5011 Assessing losses of genetic diversity due to translocation: long-term case histories in Merriam's turkey (*Meleagris galloparvo merriami*). *Conservation Genetics*, 5: 631-645.

► Includes Kaibab Plateau.

Moir, John

2005 19.5018 Bringing back the condor; adaptive management guides the recovery effort. *Birding*, (January/February): 44-50.

2006 19.3542 *Return of the condor : the race to save our largest bird from extinction.* Guilford, Connecticut: Lyons Press, 223 pp.

Monfeli, Joseph

2011 19.3525 Fly by night: Dispersal behavior of juvenile Mexican spotted owls. *Canyon Views* (Grand Canyon Association), 18(4) (Winter): 5.

Monson, Gale

1948 19.1197 Nesting season: Southwest region. *Audubon Field Notes*, 2: 211-213.

1949 19.1198 Fall migration: Southwest region. *Audubon Field Notes*, 3: 26-28.

1949 19.1199 Winter season: Southwest region. *Audubon Field Notes*, 3: 180-181.

1949 19.1200 Spring migration: Southwest region. *Audubon Field Notes*, 3: 218-220.

1949 19.1201 Nesting season: Southwest region. *Audubon Field Notes*, 3: 247-249.

1950 19.1202 Winter season: Southwest region. *Audubon Field Notes*, 4: 214-216.

1950 19.1203 Spring migration: Southwest region. *Audubon Field Notes*, 4: 255-257.

1950 19.1204 Nesting season: Southwest region. *Audubon Field Notes*, 4: 287-289.

1951 19.1205 Fall migration: Southwest region. *Audubon Field Notes*, 5: 32-35.

1951 19.1206 Spring migration: Southwest region. *Audubon Field Notes*, 5: 269-271.

1951 19.1207 The nesting season: Southwest region. *Audubon Field Notes*, 5: 303-304.

1952 19.1208 Fall migration: Southwest region. *Audubon Field Notes*, 32-33.

1952 19.1209 Winter season: Southwest region. *Audubon Field Notes*, 6: 208-210.

1952 19.1210 The spring migration: Southwest region. *Audubon Field Notes*, 6: 261-263.

1952 19.1211 The nesting season: Southwest region. *Audubon Field Notes*, 6: 293-295.

1953 19.1212 The spring migration: Southwest region. *Audubon Field Notes*, 7: 285-287.

1953 19.1213 The spring migration: Southwest region. *Audubon Field Notes*, 7: 320-322.

1954 19.1214 The fall migration: Southwest region. *Audubon Field Notes*, 8: 33-36.

1954 19.1215 The winter season: Southwest region. *Audubon Field Notes*, 8: 262-264.

1955 19.1216 The spring migration: Southwest region. *Audubon Field Notes*, 9: 348-350.

1956 19.1217 The fall migration: Southwest region. *Audubon Field Notes*, 10: 44-47.

1972 19.1218 The winter season: Southwest region. *American Birds*, 26: 638-642.

1972 19.1219 The nesting season: Southwest region. *American Birds*, 26: 887-890.

1973 19.1220 Fall migration: Southwest region. *American Birds*, 27: 96-102.

1973 19.1221 The nesting season: Southwest region. *American Birds*, 27: 902-905.

Monson, Gale, AND Phillips, Allan R.

1941 19.4805 Bird records from southern and western Arizona. *The Condor*, 43 (March): 108-112.

► Includes records from vicinity of Peach Springs, Arizona.

1964 19.1222 Species of birds in Arizona. *In:* Lowe, Charles H. (ed.), *The vertebrates of Arizona : with major section on Arizona habitats.* Tucson: University of Arizona Press, pp. 175-248.

► Also published separately as *A checklist of the birds of Arizona*, 74 pp.; see below

1964 19.1223 *A checklist of the birds of Arizona.* Tucson: University of Arizona Press, 74 pp.

1981 19.1224 *Annotated checklist of the birds of Arizona.* Tucson: University of Arizona Press, 2nd ed, revised and expanded, 240 pp.

Mowat, George D., AND Lange, Arthur

1961 19.3370 Grand Canyon cave studies. *Cave Notes*, 3(5) (September/October): 38.

► Includes note of humingbird nest in Humingbird Cave and similar perch structures in other remote caves.

Muller, Seth

2005 19.2540 Editor's outlook. *Northern Arizona's Mountain Living Magazine*, (May): 8.

► California condors.

2005 19.2533 Birth, hope, loss and rebirth; the saga of northern Arizona's California condor. *Northern Arizona's Mountain Living Magazine*, (May): cover, 22-27.

2011 19.3546 The wind, the wings; California condors; fifteen years and still soaring. *Northern Arizona's Mountain Living Magazine*, (September): 16-20.

Munzer, Olivia M.; English, Heather C.; Smith, Alexander B.; AND Tudor, April A.

2005 19.4216 Southwestern willow flycatcher 2004 survey and nest monitoring report. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 244*, 65 pp.

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Naillon, Jane

2023 19.6816 Avian influenza devastates California Condor flock. *Boatman's Quarterly Review*, 36(4) (Winter 2023/2024): 6-8.

Nealon, Garry

2006 19.2723 *Survey of breeding diurnal raptors in Glen Canyon from Lees Ferry to Glen Canyon Dam.* U.S. National Park Service, Glen Canyon National Recreation Area, 11 pp.

Nemeth, Lynne

2012 19.5610 *Grand experiments: A review of five endangered species reintroductions in the US.* Master's thesis, Prescott College, 280 pp.

► See "Chapter Five: A Prehistoric Relict; California Condor (*Gymnogyps californianus*)", pp. 111-124.

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2011 19.4672 *The state of the birds 2011 : report on public lands and waters, United States of America.* Washington, D.C.: U.S. Department of the Interior, 48 pp. [including wraps].

► See p. 37: "Conservation in Action. Restoring Endangered Condors and Murrelets."

Oberholser, Harry C.

1899 19.3267 The flammulated screech owls *Megascops flammeolus* (Kaup) and *Megascops flammeolus idahoensis* Merriam. *Ornis* (Comité Ornithologique International, Bulletin) (Paris), 10: 23-38.

► See pp. 29, 31, 34, notices of *M. flammeolus* from "Mouth of Little Colorado River (Grand Cañon of Colorado)" [*sic*, p. 31].

1911 19.5651 A revision of the forms of the hairy woodpecker (*Dryobates villosus* [Linnaeus]). *U.S. National Museum, Proceedings*, 40(1840): 595-621. [Square brackets are part of title.]

► See *Dryobates villosus leucothorectis*, new subspecies (pp. 608-609); type from Burley, New Mexico (extralimital to this bibliography); non-type material examined include specimens from "Trumbull Spring, Trumbull Mountain" (Mount Trumbull), and "Supai Village, Cataract Creek" (Havasu Canyon).

1919 19.3632 The geographic races of *Hedymeles melanocephalus* Swainson. *The Auk*, 36(3) (July): 408-416.

► See p. 414, note of Grand Canyon gathering of *H. m. papago*, new subspecies, May 14, 1884, without further geographical precision.

1937 19.1251 Descriptions of three new screech owls from the United States. *Washington Academy of Sciences, Journal* (Washington, D.C.), 27(8) (August 15): 354-357.

► See *Otus asio mychophilus*, new subspecies (Grand Canyon Screech Owl), pp. 356-357; type (holotype), adult female, from Grand Canyon Village (Russell K. Grater, original no. 23; U.S. Biological Survey collection 340593).

Ochsner, D.

1972 19.1253 Seventy-second Christmas bird count, Grand Canyon. *American Birds*, 26: 480.

Ogburn, Stephanie Paige

2006 19.2642 Bred for success; the nonprofit Peregrine Fund has mastered the captive breeding of birds of prey. But has its single-minded focus blinded it to the importance of habitat? *High Country News*, 12-13, 19-.

► Includes mention of California condors.

Olson, Chad; Osborne, Sophie; AND Leslie, Elaine F.

2004 19.2524 Foraging patterns of reintroduced California condors in the Grand Canyon ecoregion [ABSTRACT]. *In:* Delach, Aimee (compiler), *Program and agenda for Defenders of Wildlife's Carnivores 2004, Expanding Partnerships in Carnivore Conservation, November 14-17, 2004, Santa Fe, New Mexico.* [No place]: Defenders of Wildlife, p. 154.

Olyphant, Donald G., AND Olyphant, Geraldine L.

2024 19.6888 [Condors.] *In:* Letters [SECTION]. *Arizona Highways*, 100(6) (June): 4.

► Recollection of having seen condors feeding young below one of the West Rim Drive overlooks.

Osborn, Sophie A. H.

2002 19.2845 California condors: At home in Arizona. *Wild Earth*, 12(1): 60-64.

2007 19.2653 Goodbye to 119. *Nature Notes* (Grand Canyon National Park), 22(1) (Spring): 1-2.

► California condor no. 119.

2007 19.2658 *Condors in canyon country : the return of the California condor to the Grand Canyon region.* Grand Canyon: Grand Canyon Association, 150 pp.

Overskaug, Kristian; Sørensen, Ole Jakob; AND Bjelkåsen, Toralf

2000 19.6239 *Forskning om skogbruk og vilt—eksempler.* Steinkjer, Norway: Høgskolen i Nord-Trøndelag, 49 pp. (Høgskolen i Nord-Trøndelag, Kompendium.) [In Norwegian.]

► See "Hønsehauk og skogbruk—forskning utenfor Norge" (pp. 16-18), regarding goshawk studies on the Kaibab Plateau.

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Päckert, Martin

2003 19.6329 *Differenzierung von Reviergesängen und mitochondrialem Cytochrom-b in drei ausgewählten Singvogel-Gattungen (Aves, Passeriformies: Genus* Regulus*, Genus* Seicercus *und* Parus major*.* Doctoral dissertation, Johannes Gutenberg-Universität, Mainz, 227 pp. [In German.]

► See section 3.2.2.5.4, "Die Gattung *Parus*" (pp. 149-151); includes (p. 225) *Parus gambeli* from Grand Canyon. Bird song.

Paradzick, Charles E., AND Woodward, April A.

2003 19.4294 Distribution, abundance, and habitat characteristics of southwestern willow flycatchers (*Empidonax traillii extimus*) in Arizona, 1993-2000. *In:* Sogge, Mark K., Kus, Barbara E., Sferra, Susan J., and Whitfield, Mary J. (eds.), Ecology and conservation of the willow flycatcher; proceedings of a conference sponsored by U.S. Geological Survey, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Forest Service, Arizona Department of Fish and Game, and Arizona State University, Tempe, AZ, 24-26 October, 2000. *Studies in Avian Biology*, (26): 22-29.

Paradzick, Charles E.; McCarthey, Tracy D.; Davidson, Rebecca F.; Rourke, James W.; Sumner, Michael W.; AND Smith, Alexander B.

2001 19.4211 Southwestern willow flycatcher 2000 survey and nest monitoring report. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 175*, 93 pp.

Parish, Christopher N. [Parish, Chris]

2015 19.4871 The California condor in a novel ecosystem: complexities from A to Z [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 66.

2013 19.4157 California condor update. *Grand Canyon River Runner*, (16) (Winter): 5.

Parish, Christopher N., AND Feltes, Edward

2013 19.5440 Northern Arizona's California condor recovery program: Just how long is the road to recovery? [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 99.

Parish, Christopher N., AND Hunt, W. Grainger

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Rudner, Ruth, AND Cancalosi, John

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Russo, John P.

1958 19.1417 Kaibab turkey transplant. *Proceedings of the Thirty-eighth Annual Conference of the Western Association of State Game and Fish Commissioners*, 38: 175-178.

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2007 19.3051 Reproductive responses of northern goshawks to variable prey populations. *Journal of Wildlife Management*, 71(7): 2274-2283.

Scheel, David, AND Ross, Dina

1986 19.3311 How not to save a species. *New Scientist*, 112 (October 16) (1530): cover, 1, 39-42.

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Schellbach, Louis, III

1933 19.1429 [Brewer's sparrow.] *In:* Miscellany. *Grand Canyon Nature Notes*, 8(8) (November): 215.

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Searl, Clyde C.

1930 19.1448 A new bird record. *Grand Canyon Nature Notes*, 4(11) (September 30): 80.

► *Pica pica hudsonica*, black-billed magpies, seen at Bright Angel Point, North Rim and near ranger station; new record for Grand Canyon.

1931 19.1451 Some interesting bird records. *Grand Canyon Nature Notes*, 5(4) (February): 37-38.

► Bird records from Clifton Greenhalgh, a high school student at Kanab, Utah. Includes a list of birds seen at Kanab that are "as yet unrecorded" at Grand Canyon. See also Errata, 6(3) (January 1932): 28, which notes that the birds listed "should not be considered unrecorded" from the Grand Canyon region and southward.

1931 19.1455 Early November bird records. *Grand Canyon Nature Notes*, 6(1) (November): 3-6

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1967 19.1485 *Investigations of factors influencing turkey populations. Job completion report W-78-R-11, WP5, J7.* Phoenix: Arizona Game and Fish Department, pp. 53-61.

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Shaw, Harley G., AND Smith, R. H.

1977 19.1488 *Habitat use patterns of Merriam's turkey in Arizona. Final report on wildlife restoration, project W-78-R, WP4, J11.* Phoenix: Arizona Game and Fish Department, 33 pp.

Shepherd, Denton C.; Garrison-Tovar, Paola A.; AND James, Jazmine N.

2016 19.5470 The effects of airport noise on birdsong across a rural to urban gradient [ABSTRACT]. *In: Walter Maxwell Gibson College of Science and Engineering : Eight* [sic] *Annual Undergraduate Research Symposium : Monday, November 7, 2016, Southern Utah University*, p. 2.

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Sherman, Dave

2002 19.2257 A story of old growth, squirrels and goshawks. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 6.

Sherman, John

2015 19.4718 Rare birds; a portfolio. *Arizona Highways*, 91(8) (August): inside front cover, 46-51.

► California condors.

Shoshone [*pseudonym*]

1900 19.3678 In the northern Sierra Madre. *Forest and Stream*, 55(14) (October 6): 266.

► Regarding bird observations in the Sierra Madre of Mexico, but which includes the additional notes, "*Oreotyx pictus plumiferus.* Gould. Plumed partridge. Common in Grand Cañon district. Arizona." and "*Zonotrichia leucophyrs*, Forst. White-crowned sparrow. Buckskin Mountains [Kaibab Plateau], Arizona. May." (ENTIRE NOTES)

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of the conference : Ingestion of Spent Lead Ammunition : Implications for Wildlife and Humans : 12-15 May 2008, Boise State University, Idaho, United States of America. Boise, Idaho: The Peregrine Fund.

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► Kaibab Plateau.

Sipe, Carmen

2006 19.2641 Mexican spotted owls call from the depths of the Grand Canyon. *Canyon Views* (Grand Canyon Association), 12(2) (Summer): 8-9.

Slayton, Robyn

1998 19.1494 Birds at Crystal. *The Waiting List* (Grand Canyon Private Boaters Association), 2(4) (November): 12-13.

► Bird behavior at Crystal Rapid.

Slayton-Martin, Robyn

2006 19.2631 Small victories. *Zephyr*, (June/July): 4.

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Smith, Alexander B.; Paradzick, Charles E.; Woodward, April A.; Dockens, Patrick E. T.; AND McCarthey, Tracy D.

2002 19.4213 Southwestern willow flycatcher 2001 survey and nest monitoring report. *Arizona Game and Fish Department, Nongame and Endangered Wildlife Program, Technical Report 191*, 63 pp.

Smith, Alexander B.; Woodward, April A.; Dockens, Patrick E. T.; Martin, J. S.; AND McCarthey, Tracy D.

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Smith, Jeff P., AND Neal, Mike C.

2007 19.4181 Grand Canyon (Yaki and Lipan Points), AZ. *Hawk Migration Studies* (Hawk Migration Association of North America), 33(1) (September): 46-47.

Smith, Melanie Anne

2007 19.4188 *Predicting northern goshawk dynamics using an individual-based spatial model.* Master's thesis, University of Montana, Missoula, 72 pp.

► Includes Kaibab Plateau.

Smith, Rob

1996 19.6090 Can do condors. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 32(9) (December-January 1996 [*sic*, December 1996/January 1997]): 7.

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1969 19.1505 The nesting season: Southwest region. *Audubon Field Notes*, 23: 680-683.

1970 19.1506 The fall migration: Southwest region. *Audubon Field Notes*, 24: 75-79.

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2003 19.4204 *Southwestern willow flycatcher breeding site and territory summary—2002.* [No place]: U.S. Geological Survey, [17] pp.

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1998 19.5529 *Riparian bird community ecology in the Grand Canyon : final report.* Flagstaff, Arizona: Northern Arizona University, U.S. Geological Survey, Colorado Plateau Field Station, *for* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies; and U.S. National Park Service, Grand Canyon National Park, Resource Management, 29 pp. [Revised June 2000.]

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2012 19.3937 *A review of the third five years of the California Condor Reintroduction Program in the Southwest (2007-2011).* Phoenix: Arizona Ecological Services Office, *for* U.S. fish and Wildlife Service, Pacific Southwest Office (Region 8), Sacramento, California, 94 pp.

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Speich, S. M., AND Witzeman, J. L.

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1997 19.5527 *Glen Canyon National Recreation Area : breeding bird surveys along the Colorado River, Glen Canyon, Arizona : 1996 summary progress report and evaluation of the long-term monitoring program : February, 1997 : draft.* Page, Arizona: U.S. National

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2005 19.2603 Summary of the 1996-2000 GCMRC bird monitoring program along the Colorado River [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 79. [Grand Canyon Monitoring and Research Center.]

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2004 19.2724 *The riparian and aquatic bird communities along the Colorado River from Glen Canyon Dam to Lake Mead : final report.* Flagstaff, Arizona: U.S. Geological Survey, Grand Canyon Monitoring and Research Center.

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2011 19.6542 Birds of Glen Canyon National Recreation Area. *Monographs of the Western North American Naturalist*, 5: 20-70.

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Squires, John R., AND Kennedy, Patricia L.

2006 19.4189 Northern goshawk ecology: An assessment of current knowledge and information needs for conservation and management. *In:* Morrison, Michael L. (ed.), The northern goshawk: A technical assessment of its status, ecology, and management. *Studies in Avian Biology*, (31): 8-62.

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Stahlecker, Dale W.

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► *Crotalus viridis abyssus*, along Colorado River at Unkar Ruins.

Stein, Lester

1934 19.1543 Statistical report of bird-banding. *Grand Canyon Nature Notes*, 9(2) (May): 274-276.

► Author affilitated with Civilian Conservation Corps Camp 819. Reproduction of "Summary of Bird Banding" sheets, with editor's introduction (Edwin D. McKee).

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2022 19.6842 Balancing ecosystem resiliency with pinyon jay habitat needs on the Kaibab National Forest [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 177.

Stevens, Bonnie

2017 19.5680 Death by outhouse is nothing to poo poo; Grand Canyon National Park and Coconino National Forest have joined the initiative to install Poo Poo Screens in vault toilets to protect cavity nesting birds from foul death. *Flagstaff Business News* (Flagstaff, Arizona), 10(11) (November): 12, 43.

► Teton Raptor Center originated and sponsors the Poo Poo Project (Porta-Potty Owl Project).

Stevens, Lawrence Edward [Stevens, Larry]

2005 19.2728 Pre and post revegetation avian monitoring plan for Lees Ferry revegetation project. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 64-65. [CD also accompanies full report.]

2005 19.2730 Pre-revegetation and initial post-revegetation avian censusing at Lees Ferry. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 76-83. [CD also accompanies full report.]

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2010 19.3548 The wandering scythe: Peregrine falcon ecology in Grand Canyon. *Grand Canyon River Runner*, (10) (Summer): 12-13. (Photos by Jerry Ting.)

Stevens, Lawrence E.; Brown, Bryan T.; AND Rowell, Kirsten

2005 19.2604 Foraging ecology of Peregrine Falcons along the dam-regulated Colorado River, Grand Canyon, Arizona [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 80.

2008 19.2781 Foraging ecology of peregrine falcons (*Falco peregrinus*) along the Colorado River, Grand Canyon, Arizona [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 93.

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Stevens, Lawrence E.; Buck, Kimberly A.; Brown, Bryan T.; AND Kline, Natasha C.

1997 19.1575 Dam and geomorphological influences on Colorado River waterbird distribution, Grand Canyon, Arizona, USA. *Regulated Rivers: Research and Management*, 13(2): 151-169.

Stevens, Lawrence E.; Meretsky, Vicky J.; AND Petterson, James R.

1997 19.1578 Impacts of a beach/habitat-building flow from Glen Canyon Dam on the endangered Southwest Willow Flycatcher in Grand Canyon, Arizona. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], pp. 78-90.

Stevens, Terry

2013 19.4226 Condor 133. *Wing Beats* (Liberty Wildlife Rehabilitation Foundation, Scottsdale, Arizona), (Fall): 1, 20.

► Vermilion Cliffs.

Straus, Karen

2012 19.3570 Target birds: The truly imperiled. Part 1: California condor. *Sketches* (San Diego Audubon Society), 63(6) (February): 3-4, 6.

Strong, W. A.

1918 19.3662 A petrified bird's nest. *The Oölogist*, 35(9) (September 1): v [following p. 130 at end of issue].

► "A petrified bird's nest with four eggs, all now solid rock, was found imbedded in a rock formation, in a cliff of the Grand Canyon. The bird was probably about the size of a robin.—The Classmate." (ENTIRE ITEM) Item probably submitted by Strong from *The Classmate*. Surely a travertine-enrobed artifact, probably from Havasu Canyon? For an illustration of the nest see Anonymous (1917, ITEM NO. 19.3668) and Anonymous (1921, ITEM NO. 19.4567).

Stroud-Settles, Janice

2015 19.4646 Birding with a purpose. *Canyon Views* (Grand Canyon Association), 22(1) (Spring): 12-13.

Stroud-Settles, Janice; Holm, Gregory; AND Palarino, Rosa

2013 19.4214 *Surveying for southwestern willow flycatchers in Grand Canyon National Park, 2010-2012 : final project report.* U.S. National Park Service, Grand Canyon National Park, 60 pp.

Stumpf, Katie J.

2007 19.2720 *Habitat structure and microclimate affect nest predation of the Southwestern willow flycatcher (*Empidonax trailli extimus*)*. Master's thesis, Northern Arizona University, 64 pp.

Stumpf, Katie J.; Theimer, Tad C.; McLeod, Marry Anne; AND Koronkiewicz, Thomas J.

2011 19.4218 Distance from riparian edge reduces brood parasitism of southwestern willow flycatchers, wheras parasitism increases nest predation risk. *Journal of Wildlife Management*, 76(2) (February): 269-277 + Supporting Information online. (Supporting Information: "Candidate set of models used to predict a) predation and b) parasitism of southwestern willow flycatcher nests at 6 sites in Arizona and Nevada from 2003 to 2007".)

Sturdevant, Glen E.[4]

1926 19.1595 Water ouzel (Cinclus mexicanis [*sic*]). *Grand Canyon Nature Notes*, 1(2) (April 7): cover, 4-6.

► *Cinclus mexicanus*, the water ouzel or American dipper. Hand-drawn cover art signed "EFS" (*i.e.*, Mrs. Sturdevant, Eileen F. Sturdevant).

1926 19.1597 Long-crested jay (Cyanocitta stelleri diademata). *Grand Canyon Nature Notes*, 1(3) (May 13): cover, 4-5.

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[4] Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

1926 19.1605 The turkey buzzard (Cathartes aura). *Grand Canyon Nature Notes*, 1(8) (December 16): cover, 1-2.

1927 19.1609 A winter resident. *Grand Canyon Nature Notes*, 1(11) (March 1) [April 16]: cover, 1.

▶ Western robins.

1927 19.1610 Wild goose. *Grand Canyon Nature Notes*, 1(11) (March 1) [April 16]: 2.

▶ Canadian geese.

1927 19.1615 Mother grouse poses for movie camera. *Grand Canyon Nature Notes*, 2(4) (September 30): 3-4.

1928 19.1616 A near tragedy. *Grand Canyon Nature Notes*, 2(9) (February 28): 7.

▶ Hawk loses robbit prey.

1928 19.32 Red-shafted flicker nests on canyon rim. *Grand Canyon Nature Notes*, 2(12) (May 31): cover, 1.

1928 19.34 Sea gull visits the park. *Grand Canyon Nature Notes*, 2(12) (May 31): 2.

▶ South Kaibab Trail, "a short distance above Phantom Ranch".

1928 19.39 Cassin vireo observed. *Grand Canyon Nature Notes*, 3(1) (June 30): 2.

1928 19.41 Dusky grouse on South Rim. *Grand Canyon Nature Notes*, 3(2) (July 31): 5.

1994 19.1630 Water ouzel. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 96-97.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1926.

1994 19.1631 Redshafted flicker nests on Canyon rim. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 98.

▶ Reprinted from *Grand Canyon Nature Notes*, May, 1928.

1994 19.1632 The turkey buzzard. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 100-101.

▶ Reprinted from *Grand Canyon Nature Notes*, December, 1926.

1994 19.1633 A winter resident. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 103-104.

▶ Reprinted from *Grand Canyon Nature Notes*, March, 1927; robin.

Sturdevant, Glen E. (Mrs.) [Sturdevant, Eileen Fourcade (MacNicol)]

1926 19.5674 [Cover art of water ouzel.] *Grand Canyon Nature Notes*, 1(2) (April 7): cover.

▶ Hand-drawn cover art signed "EFS", accompanying the article by Glen E. Sturdevant (ITEM NO. 19.1595). [*NOTE*: Many, but not all, subsequent issues of *Grand Canyon Nature Notes* include hand-drawn cover art signed "ES"; and they continue to appear until the death of Glen Sturdevant. It is thus very likely that the artist was Mrs. Sturdevant, but inasmuch as the initials can also be confused with contemporary Ranger-Naturalist E. C. Scoyen, specific credits are omitted in this bibliography for now. *—E.E.S., March 2017.*]

1927 19.1614 Crossbill. *Grand Canyon Nature Notes*, 2(4) (September 30): cover, 1-2.

▶ See also Mrs. Sturdevant (1927, ITEM NO. 19.1637).

1927 19.1637 Crossbill winters at Grand Canyon. *Grand Canyon Nature Notes*, 2(7) (December 15): 3.

▶ Follow-up on item by Mrs. Sturdevant (1927, ITEM NO. 19.1614).

1928 19.1639 Bird baths. *Grand Canyon Nature Notes*, 3(4) (September 30): cover, 4-5.

▶ Basins made from limestone rocks.

1994 19.1641 Crossbill. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 104-105.

▶ Reprinted from *Grand Canyon Nature Notes*, September, 1927.

Suckling, Kieran

1994 19.5822 Indications of ruin: Can the goshawk and spotted owl save the forests of the Southwest? *Wild Forest Review* (Portland, Oregon), 1(9) (September/October): 22-25.

▶ See "Northern Goshawk—Managing an Ecosystem to Death" (pp. 23-25), which includes the Kaibab Plateau.

Sullivan, Kathy

2007 19.3896 Why non-lead ammunition? *Pronghorn* (Arizona Antelope Foundation), (2nd Quarter): 6-7.

▶ Regarding California condor lead poisoning.

2009 19.2909 Condor update. *Osprey Overlook* (White Mountain Audubon Society, Arizona), (March/April): [2].

▶ California condors.

Sullivan, Kathy; Sieg, Ron; AND Parish, Chris

2005 19.5309 Efforts to reduce California condor lead exposure in Arizona [ABSTRACT]. *In: Abstracts : One hundred and twenty-third Stated Meeting of the American Ornithologists' Union, 23-27 August 2005 at the University of California, Santa Barbara, CA*, abstract s53.

▶ American Ornithologists' Union, 123rd Meeting. Volume notes: "The abstracts in this work are not issued for the permanent scientific record."

Sullivan, Marie

1995 19.1646 Southwestern willow flycatcher. *Arizona Riparian Council, Newsletter*, 8(1) (Winter): 7.

Swarth, Harry S.

1914 19.1654 A distributional list of the birds of Arizona. *Pacific Coast Avifauna* (Cooper Ornithological Club), (10), 133 pp.

1922 19.4066 The Bohemian waxwing: A cosmopolite. *University of California Chronicle*, 24(4) (October): frontispiece, 450-455.

► See p. 453, note on observation of a flock of waxwings at El Tovar, Grand Canyon, December 18, 1919.

Swarth, Harry S., AND Swarth, Winifern W.

1920 19.1655 Some winter birds at the Grand Canyon, Arizona. *The Condor*, 22: 79-80.

SWCA Environmental Consultants

2004 19.3673 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Boulder City, Nevada, 125 pp. + appendices.

► See "Grand Canyon, Arizona", pp. 20-24; Separation Canyon to Columbine Falls.

2005 19.3674 *Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2004.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Bureau of Reclamation, Boulder City, Nevada, 155 pp. + appendices.

► See "Grand Canyon, Arizona", pp. 20-25; Separation Canyon to Columbine Falls.

Sweat, Ken G.

1996 19.6089 The California condor: Soaring over Arizona again? *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 32(3) (April): 8.

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Terwilliger, Miranda, AND Holm, Gregory

2021 19.6743 *Bi-annual surveys for southwestern willow flycatcher (*Empidonax traillii extimus*) along the Colorado River in Grand Canyon National Park : 2021 annual report.* Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, Science and Resource Management, 18 pp.

► "Report prepared for the Upper Colorado Region, Bureau of Reclamation. Interagency Agreement Number R18PG00066." "*NOTE:* Sensitive Natural Resource Information Removed from this version."

Thompson, David, AND Blume, Bill

1992 19.1672 Waterfowl density along the Colorado River corridor in the Grand Canyon. *In: Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona:

Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 119-128.

Tibbitts, Timothy J., AND Bibles, Brent D.

1990 19.6414 *Peregrine falcon survey of the Arizona Arizona Strip District (1990) : final report.* [No place]: Arizona Game and Fish Department, *for* U.S. Bureau of Land Management, and Energy Fuels Nuclear, Inc., 37 pp. (Cooperative Agreement AZ950-CA8-001T3.)

Tibbitts, Timothy J., AND Ward, Dale K.

1990 19.6415 *Peregrine falcon survey on national forests in Arizona : 1990 final report.* [No place]: Arizona Game and Fish Department, *for* U.S. Forest Service, 46 pp. (Cooperative Agreement 12-03-89-035P.)

Tibbits, Timothy J.; Sogge, Mark K.; AND Sferra, Susan J.

1994 19.1674 A survey protocol for the Southwestern willow flycatcher (*Empidonax traillii extimus*). U.S. National Park Service, Colorado Plateau Research Station at Northern Arizona University, 24 pp.

Tobin, Mitch

2007 19.2980 Getting the lead out; a proposed ban on lead ammo in California could save condors. *High Country News* (March 5).

Torrey, Bradford

1906 19.1682 A bird-gazer at the Grand Cañon. *Atlantic Monthly*, 97(6) (June): 739-747.

1913 19.1683 *Field days in California.* Boston: Houghton Mifflin, 234 pp.

► See "A Bird-Gazer at the Grand Cañon", pp. 204-231.

Townsend, Charles W.

1925 19.1692 Winter birds seen at the Grand Canyon, Arizona. *The Condor*, 27: 177-178.

1925 19.6643 Thrills of an Eastern ornithologist in the West. *Bird-Lore*, 27(5) (September/October): 310-314.

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Zylo, Mary T.

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6

ICHTHYOLOGY *of the* LOWER COLORADO RIVER

GLEN CANYON DAM TO THE RÍO COLORADO DELTA,
GRAND CANYON TRIBUTARIES, AND
LOWER VIRGIN AND MUDDY RIVERS

(U.S.–MEXICO: ARIZONA, NEVADA, CALIFORNIA, BAJA CALIFORNIA, SONORA)

BIBLIOGRAPHY OF ICHTHYOLOGY OF THE LOWER COLORADO RIVER

GLEN CANYON DAM TO THE RÍO COLORADO DELTA, GRAND CANYON TRIBUTARIES, AND LOWER VIRGIN AND MUDDY RIVERS

U.S.–MEXICO: ARIZONA, NEVADA, CALIFORNIA, BAJA CALIFORNIA, SONORA

The "Bibliography of Ichthyology of the Lower Colorado River" geographically embraces a once-contiguous mainstem of the Colorado River, when it was uninterrupted by dams and their impoundments. Reflecting the overall coverage of THE GRAND CANON, it is limited to the Colorado River mainstem between Glen Canyon Dam and the Gulf of California. To it are added ichthyological publications that pertain to tributaries in the Grand Canyon and the lower reaches of the Virgin River watershed.

Citations are copied from both Part 19 of THE GRAND CANON (BIOLOGY AND ECOLOGY OF THE GRAND CANYON REGION) and Part 11/Section 1 (which embraces the natural history of the LOWER COLORADO RIVER from Lake Mead to the delta and affected areas in the northernmost Gulf of California).

These listed publications are specifically about ichthyological taxa or topics that address them, and notes of ichthyological interest on fishes and fishing. Items that are not organismally focused studies, or that do not specially mention ichthyological topics—for example, more broadly focused ecological investigations or studies of environmental concerns—do not appear in this special taxonomically focused bibliography. For citations that relate to broader ecological and environmental matters, which otherwise are about the environments of fishes in this region, consult the much more comprehensive listings in Part 11/Section 1 and Part 19 of THE GRAND CANON Volume 1/Part B). Users may also wish to refer to the special bibliography on the biology, ecology, and environment of Lake Mead; and similarly the special bibliography for the Lower Colorado River limitrophe of the U.S. and Mexico *(see next page)*.

In instances where a title may refer to plural lakes (*e.g.* "Lakes Mead and Mohave"), an appended notation spells out each lake separately such that the name may be found in a digital search.

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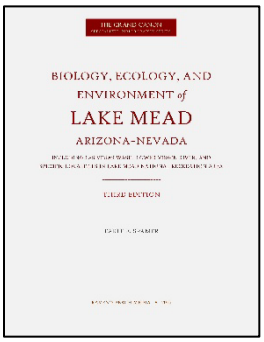

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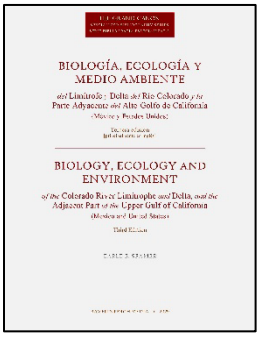

ANONYMOUS

PUBLICATION NOT DATED: DATE ESTIMATED, ATTRIBUTED, OR KNOWN FROM ORIGINAL RECEIPT

NO DATE 19.3645 *Natal origins of rainbow trout and survival of juvenile humpback chub.* U.S. Geological Survey, [2] pp. [2012.] [Fact sheet.]

NO DATE 19.4405 *Glen Canyon Dam Adaptive Management Program fish community monitoring.* U.S. Geological Survey, [2] pp. [2013?] [Fact sheet.]

DATED PUBLICATIONS, GROUPED BY YEAR

1917 11.13612 Condition of fish in irrigation canals. *Commerce Reports* (U.S. Department of Commerce, Bureau of Foreign and Domestic Commerce), 1917(118) (May 21): 674.

► Based on reports from the U.S. Bureau of Fisheries. Includes: "The bureau also studied conditions in the Colorado River resulting from a diversion of the river for purposes of irrigation by a public service corporation. In one locality the bed of the river is left entirely dry, causing the loss, it is said, of tons of fish." (ENTIRE NOTE)

1921 19.3227 Grand Cañon National Park to attract trout anglers. *Popular Mechanics Magazine*, 35(6) (June): 849. [Bright Angel Creek.]

1930 19.53 Odds and ends. *Grand Canyon Nature Notes*, 4(10) (August 30): 69-71. [Lizards, birds, chipmunks, falcons, trout eggs planted in Shinumo Creek, deer range on North Rim, live specimen of "probably Grand Canyon Rattler" collected at Desert View Point.]

1932 19.1062 [Fish collected in lower Garden Creek identified as *Tiaroga cobitis* Girard.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(5) (March): 47. [See also Anonymous (1933, ITEM NO. 19.5062).]

1933 19.5062 A fish rare in collections. *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 7(12) (March):. [Additional specimens of *Tiaroga cobitis* gathered at the mouth of Garden Creek, Grand Canyon. Refers to earlier note, for which see 6(5): 47 (Anonymous, 1932, ITEM NO. 19.1062).]

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Anonymous *(continued)*

1937	11.8389	Fishing in Mead lake [*sic*]. *Reclamation Era*, 27(12) (December): 291. ► Lake Mead.
1938	11.5488	Boulder City, Nevada. *In:* Here and There on the Desert. *Desert Magazine*, 1(4) (February): 25. ► Rainbow trout and bass sport fishing in Colorado River below Hoover Dam.
1940	11.5502	Boulder City. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 3(5) (March): 29. ► "Boulder lake will be open for fishing every day in 1940, according to George Hanson, chairman of Clark county commissioners, but certain shallow areas will be set aside as protected waters during the spring spawning season. At a meeting in February between national park service, biological survey and state officials regulations were proposed for protecting bass in restricted areas of the lake." (ENTIRE ITEM) Lake Mead.
1941	11.5529	Las Vegas. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 4(6) (April): 39. ► " 'This is the most beautiful place to put trout I ever have seen but one of the most difficult in which to construct a hatchery.' So said Fred Foster, director of the bureau of fisheries for the Western United States. He referred to the Colorado river area below Boulder dam. Foster is preparing a report on the project. It is proposed to plant young fish, thus stocking the river where conditions are said to be ideal for growth, unfavorable for spawning." (ENTIRE ITEM)
1942	11.5540	Catfish in trouble. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 6(1) (November): 38. ► Periodic reduced flows from Hoover Dam, for turbine installation, are affecting Colorado River catfish. Also, erosion due to rapid water level fluctuations is causing erosion near Needles.
1943	11.5541	Trout for Nevada. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 6(4) (February): 31. ► "Las Vegas—Fingerling trout to be planted in icy clear waters of the Colorado below Boulder dam have been brought here from the hatchery at Springville, Utah. Rainbow trout to be planted number 32,000." (ENTIRE ITEM)
1945	11.5551	More trout for Colorado. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 8(5) (March): 29. ► Arizona Game and Fish Commission to plant ten thousand rainbow trout fingerlings to Colorado River below Hoover Dam.

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Anonymous *(continued)*

1945	11.5553	Would protect game fish. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 8(5) (March): 30. ► Carp to be seined from Lake Mead and turn to fertilizer, to conserve bass and other game fish.
1945	11.5554	Lake Mead carp for fertilizer. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 8(7) (May): 30. ► Carp to be seined from Lake Mead and turn to fertilizer, to conserve bass and other game fish.
1946	11.2659	Davis Dam will bring new game paradise. *In:* Here and There [SECTION]. *Desert Magazine*, 9(11) (September): 36. ► Fishing.
1948	11.5578	Carp cleanup at Lake Mead. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 11(7) (May): 35. ► Agreement between Arizona and Nevada for the removal of carp, a non-game species, from Lake Mead.
1949	11.5638	Good fishing at Lake Mead. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 12(7) (May): 36. ► Item credited to *Caliente Herald.*
1951	11.5787	Fishermen flock to new rainbow trout water. *Desert Magazine*, 14(6) (April): 14. ► Colorado River below Hoover Dam.
1951	11.5789	Fish farms come to the desert. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 14(7) (May): 25. ► Channel catfish being raised for fresh- and frozen-fish markets at Arizona Fish Farms in south end of Colorado River Indian Reservation. Item credited to *Palo Verde Valley Times*.
1951	11.2664	Food for Lake Havasu bass. *Desert Magazine*, 14(12) (October): 29. ► California Division of Fish and Game planting of 8000 golden shiner minnows in Lake Havasu. Item credited to *Palo Verde Valley Times*.
1953	11.5808	Claims record catfish. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 16(1) (January): 33. ► "Needles—Wando L. Tull of Barstow believes he caught the biggest channel catfish ever landed in California and the second largeset in the United States when he brought in a 35-pound fish recently. It was caught in Topoc [*sic*] lagoon with hook and line.—*Imperial Valley Weekly*." (ENTIRE ITEM) Topock.

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Anonymous *(continued)*

1954	11.1699	New dish for fish. *Desert Magazine*, 17(2) (February): 32. ► Plan for introduction of threadfin shad to Lake Mead from Alabama.
1954	11.5820	Rare fish caught. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 17(5) (May): 31. ► Raymond Barnes caught a 24-inch, 2½-pound bony tail minnow in the Colorado River below the Blythe Weir. Item credited to *Palo Verde Valley Times*. See also letter from Robert N. Doyle in July issue (ITEM NO. 11.5821).
1954	11.5823	Try, try again. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 17(6) (June): 31. ► Regarding unsuccessful attempts to plant trout or small mouth bass in Colorado River below Davis Dam. Item credited to *Desert Star*.
1958	11.6637	Shrimp planted in Colorado. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 21(11) (November): 32. ► Freshwater shrimp in Lake Havasu. Item credited to *Palo Verde Valley Times*.
1968	11.16352	Colorado River striper reproduction proven. *Outdoor California*, 29(5 [*sic*, 6]): 14.
1969	11.16353	White bass stocked in Colorado River. *Outdoor California*, 302): 17.
1971	11.888	Threadfin shad (dorosoma petenenses) [*sic*]. *In:* Niehuis, Charles C. (ed.), *Colorado River Adventures : special vacation guide.* Phoenix: Colorado River Adventures, 1971-1972 ed., p. 6.
1971	11.890	Fish Lake Mead out of Temple Bar; Temple Bar on upper Lake Mead. *In:* Niehuis, Charles C. (ed.), *Colorado River Adventures : special vacation guide.* Phoenix: Colorado River Adventures, 1971-1972 ed., p. 9.
1978	19.73	*Fishing and endangered fish species in Grand Canyon National Park.* Grand Canyon Natural History Association.
1981	19.2002	Trout saved; Reclaimation [*sic*] backs off. *Arizona Wildlife News* (Arizona Wildlife Federation), 16(11): 1. [Bureau of Reclamation.]
1989	19.82	Striped bass sightings. *Grand Canyon River Guides* [newsletter], 2(2) (December): 2.
1991	19.85	Striped bass (Morone Saxatilis). *The News* (Grand Canyon River Guides), 4(2) (Summer): 15.
1992	19.1978	Research highlights: Lee's Ferry trout studies. *Arizona Wildlife Views*, 35(5):.

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Anonymous *(continued)*

1993	☆ 19.4712	Fish and the Colorado River. *High Country News*, 25(3) (February 22): 12.
1993	☆ 19.4713	Fish and the Colorado River. *High Country News*, 25(5) (March 22): 8.
1993	19.87	Critical habitat designations for four Colorado River fishes. *Endangered Species*, 18(2): 7, 9, 11.
1995	19.117	Don't worry, be humpy! Second in a series of news from the Third Biennial Conference of Research on the Colorado Plateau. *Grand Canyon Field Notes* (Center for Resource Interpretation, Grand Canyon National Park), (7) (December 11): [1]. ► Title refers to humpback chubs.
1995	19.118	Lee's Ferry going barbless. *Wild Times* (Arizona Game and Fish Department), 2(6) (December 1995-January 1996): 3.
1996	19.125	Colorado River species. *Endangered Species Bulletin*, 21(4) (July/August): 27.
1997	11.18029	Popcorn pontyok. *In:* Miről számol be a külföldi sajtó [SECTION]. *Halászat* (Budapest), 90(2) (Summer): 74. [In Hungarian.] ► Credited to "Fisch und Fang (1997) No 4." Brief item regarding visitors feeding popcorn to carp at Lake Mead. The original item in *Fisch und Fang* (Zeitschrift für Angler) as yet not found for this bibliography.
1998	19.5831	Fishing the dropper. *Streamside* (Dame Juliana League, Kimberton, Pennsylvania), 4(4) (Winter): 5. ► Regarding the use of dropper flies. Includes notes of fishing at Lees Ferry. Written in the first person but unsigned.
2001	19.4819	Fish prompt grand water on the Grand. *In:* River Runner Hot Line [SECTION]. *Paddler*, 21(2) (March/April): 54.
2001	19.2137	Going, going, gone? Grand Canyon native fish. *Living Rivers Currents*, 1(4) (December): 2.
2002	19.2169	Native fish; recovery or rhetoric? *Living Rivers Currents*, 2(1) (January): 2.
2002	19.2333	Habitat Security back in action for native fish. *Living Rivers Currents*, 2(6) (October): 1.
2002	19.2335	Dam flows fail to help Grand Canyon native fish. *Living Rivers Currents*, 2(6) (October): 2.

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Anonymous *(continued)*

2003 19.6762 Grand Canyon N.P., Arizona. *In:* News in Brief [SECTION]. *National Parks*, 77(3/4) (March/April): 14.

► As many as 30,000 brown and rainbow trout removed from Grand Canyon National Park in January.

2004 11.1555 Lake Mead water low—fishing high; eighty feet down, Lake Mead is at an all-time low, but fishing is still great! *Nevada Outdoor Instructor*, (March): [1].

2004 11.1556 Training day! Spring fishing at Lake Mead/Mojave. *Nevada Outdoor Instructor*, (March): [2].

2006 19.3087 Lees Ferry. *On the Fly* (Fly Fishers Club of Orange County, California), (July): 1.

2006 19.2664 Grand Canyon fish seem to be rebounding. *In:* Of Note [SECTION]. *Science News*, 178(8): 126.

2007 19.6629 Whirling disease discovered in trout at Lees Ferry. *Forward Casts* (Desert Fly Casters, Mesa, Arizona), (July): [unpaginated] [1-page article].

► Credited to "News Media, Jun 15, 2007".

2007 19.3080 Whirling disease discovered in trout at Lees Ferry. *The Flycaster* (Northern Arizona Flycasters, Flagstaff), (June/July): [unpaginated] [4-page article].

2008 19.4275 [Introductory comments.] *In:* Colorado River fisheries: Summer field experiences of FAS graduate students. *WaterWorks* (University of Florida, Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2.

2008 19.3063 The Rosi-Marshall lab rides the waves (and makes a few too). *Department of Biology Newsletter* (Loyola University, Chicago), (11) (January/March): 1-2.

► Humpback chub research.

2008 11.4145 Fish study in the Hardy River. *In:* What's Going on in the Delta? [SECTION]. *Colorado River Delta Research Coordination Network / Delta del Río Colorado Red Coordinadora de Investigaciones, Newsletter / Gaceta Informativa*, (1) (February): 1.

► Brief note.

2008 11.1855 Bringing the endangered razorback sucker back from the brink of extinction. *Swimming Upstream* (U.S. Fish and Wildlife Service, San Juan River Basin Recovery Implementation Program, Upper Colorado River Endangered Fish Recovery Program, Denver), (November): 1, 3.

► Includes lower Colorado River.

2009 19.3362 Grand Canyon humpback chub fare better than Upper Basin populations through recent drought. *Swimming Upstream* (U.S. Fish and Wildlife Service, Upper Colorado River Endangered Fish Recovery Program), (Winter): 3.

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2009 19.3064 Evaluation of humpback chub translocations in Grand Canyon. *In:* Current Projects at the Kansas Unit [SECTION]. *Muddy Waters* (U.S. Geological Survey and Kansas State University, Kansas Cooperative Fish and Wildlife Research Unit), 4(1) (May): [2].

2009 19.5212 Endangered humpback chub population increases. *Southwest Hydrology*, 3(5) (September/October): 34-35.

► Grand Canyon; refering to a U.S. Geological Survey report.

2010 19.3792 Speaker of the month; Terry Gunn; The new Lees Ferry. *Sespe Fly Fishers* (Sespe Flyfishers, Ventura, California), 35(6) (June): [2].

2010 19.3246 Humpback chub. *In:* Around the plateau on public lands: Rewilding the land. *Sojourns* (Peaks, Plateaus and Canyons Association), 5(2) (Summer/Fall): 46.

2010 19.4463 *Historical native fishes of Glen and Grand Canyons.* [No place]: Glen Canyon Dam Adaptive Management Program, [2] pp. [Fact sheet.]

2011 11.2645 Arizona. *In:* Tidbits [SECTION]. *American Profile* (West Edition), (September 4-10):.

► Record striped bass in Colorado River below Hoover Dam; 67 pounds, 1 ounce, caught by Jeff Smith, 1997.]

2011 19.3491 Video: 2010 humpback chub translocation to Shinumo Creek. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 21 (January), http://www.nps.gov/grca/naturescience/cynsk-v21.htm.

► With brief introductory text online. Link to video on webpage.

2012 19.5916 Evaluations of translocation [of] humpback chub in Grand Canyon. *In:* Research Projects [SECTION]. *Muddy Waters* (University of Missouri, Missouri Cooperative Fish and Wildlife Research Unit), 6(1) (Spring): 5.

► Translocation to Shinumo Creek. Research by Jon Spurgeon and Dan Whiting.

2013 19.4402 Endangered humpback chub translocation schedule. *Pinyon Press* (Xanterra South Rim, L.L.C., Grand Canyon), 2013(10) (May 15): 5.

2013 19.4403 Endangered humpback chub spawning successes. *Pinyon Press* (Xanterra South Rim, L.L.C., Grand Canyon), 2013(12) (June 12): 9.

2014 11.13679 Angler catches new potential world record redear sunfish in Arizona. Fishing and Hunting Journal (Crumpton, Maryland), 23(9) (April): 9.

► Lake Havasu, 5.78 pounds, caught by Hector Brito, February 16.

2014 19.4426 Razorback suckers released in Grand Canyon. *Boatman's Quarterly Review*, 27(2) (Summer): 8.

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Anonymous *(continued)*

2015 11.7884 Rainbow trout stocking to be restored; agreement finalized. *Western Outdoor Times*, (March/April): 8.

2015 19.4801 *Lees Ferry recreational trout fishery management recommendations: The voice of Lees Ferry recreational anglers, guides, and businesses. August 2015.* [No imprint], 13 pp.

► Back cover includes the imprints of Trout Unlimited, International Federation of Fly Fishers, Wildlife for Tomorrow, and Theodore Roosevelt Conservation Partnership. "Funding for this report made possible by a grant from Wildlife for Tomorrow", "All photos from Lees Ferry Anglers unless otherwise noted."

2016 11.17382 Willow Beach NFH visit. *AADAP Newsletter* (U.S. Fish and Wildlife Service, Aquatic Animal Drug Approval Partnership Program), 12(1) (Summer): 14.

► Willow Beach National Fish Hatchery. Cursory report.

2016 11.12256 Willow Beach National Fish Hatchery relaunches trout program; trout back in water after program suspended for several years. *Hatchery International* (Victoria, British Columbia), 17(6) (November/December): 1, 8.

2018 19.5763 Now is a good time to plan for your Lees Ferry trip; excerpts from Lees Ferry fishing report. *Western Outdoor Times*, 13(7) (February): 10.

2018 19.5881 Champions of nature. *Bloom Magazine* (Bloomington, Indiana), (April/May): 109.

► See "Vicky Meretsky", briefly noting her work (in Grand Canyon) on the California condor, humpback chub, and Kanab ambersnail.

2018 19.5875 U.S. Fish and Wildlife Service proposes reclassification of humpback chub. *Western Outdoor Times*, 13(9) (May): 15.

2019 19.6309 How you're bringing a species back from the brink. Hikers braving trails near some Colorado River tributaries might get a rare treat—a glimpse of the humpback chub. *Canyon Views* (Grand Canyon Conservancy), 26(3) (Fall): 3-4.

2020 11.18854 [Taxidermy fish presented to museum by Arizona Game and Fish Department.] *Colorado River Historical Society and Museum Newsletter* (Bullhead City, Arizona), 1(2) (July): 1.

► Razorback sucker, bonytail chub, and humpback chub. Also notes current display of 1974 state record striper bass, and forthcoming mount of a six-foot pikeminnow.

2021 19.6628 2021 Lee's Ferry club outing: (tenative [*sic*] pending pandemic orders). *On the Fly* (Fly Fishers Club of Orange County, California), (February): 10-12.

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Anonymous *(continued)*

2021 19.6679 A look at other endangered and threatened species at Grand Canyon. (Illustrations by Mehghan Bergeron.) *Canyon Views* (Grand Canyon Conservancy), 28(2) (Fall/Winter): 14-15.

► Continues the article by Escamilla (2021, ITEM NO. 19.6678) on the endangered sentry milk-vetch, but it is unclear whether this is also authored by her. California condor, Yuma Ridgway's rail, Mexican spotted owl, humpback chub, razorback sucker, southwestern willow flycatcher, western yellow-billed cuckoo. Illustrations are paintings.

A

Abate, P. D.; Holden, P. B.; AND Ruppert, J. B.

2000 11.2059 Evaluation of a lake-wide razorback sucker sampling method on Lake Mead, Nevada and Arizona. Evaluación de un método de muestreo del matalote jorobado en todo el Lago Mead, Nevada y Arizona [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 30-31. [In English and Spanish.]

2001 11.1500 Razorback sucker studies on Lake Mead, Nevada and Arizona, 1999-2000 [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 1-2. [In English and Spanish.]

Abate, P. D.; Holden, P. B.; AND Welker, T. L.

2005 11.7022 Current and potential future effects of reservoir fluctuations on the Lake Mead razorback sucker population, 1996-2002. Efectos actuales y potenciales de las fluctuaciones del embalse de Lago Mead en la población de matalote jorobado, 1996-2002 [ABSTRACT]. *Desert Fishes Council, Proceedings*, 34: 1-2. [In English and Spanish.]

Abbott, Charles C.

1860 11.957 Descriptions of four new species of North American Cyprinidae. *Academy of Natural Sciences of Philadelphia, Proceedings*, 12: 473-474.

Ackerman, M. W.; Ward, D.; Hunt, T.; Rogers, R. S.; Van Haverbeke, D. R.; Morgan, A.; AND Cannon, C.

2006 19.3137 *2006 Grand Canyon long-term fish monitoring in the Colorado River, Diamond Creek to Lake Mead.* Report *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona.

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Adams, Charles C.

1925 19.140 The relation of wild life to the public in national and state parks. *Roosevelt Wild Life Bulletin*, 2(4): 371-401. (Imprint also as *Syracuse University Bulletin*, 24(23) (February).)

► See p. 382. Trout stocking Bright Angel Creek noted. This paper is a revision of the paper of the same title published in the Proceedings of the 2nd National Conference of State Parks, 1922 [1923], pp. 129-147.

Adelsberger, Christine M.; Karam, Abraham P.; AND Marsh, Paul C.

2010 11.3755 Post-stocking mortality and movement of telemetered bonytail *Gila elegans* in Lake Havasu [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 19.

Aikens, Rory

2012 19.3704 From Rory Aikens; "This is my last one". *In:* Light Lines; Fishing in Arizona and Beyond [SECTION]. *Western Outdoor Times*, 8(8) (October/November): 7, 17.

► Personal "fishing tips" on the occasion of Aikens' retirement. Includes brief note on Lees Ferry, p. 7.

Albrecht, Brandon A., AND Holden Paul B.

2005 11.3763 Documentation of a new razorback sucker spawning area in Lake Mead and insights to recent razorback recruitment using a multiplicity of methodologies [ABSTRACT]. *Desert Fishes Council, 37th Annual Meeting, November 16-20, 2005, Quatro Ciénegas, Coahuila, México*, p. 15.

Albrecht, Brandon A.; Golden, Michael E.; AND Holden, Paul B.

2007 11.6378 *Lower Virgin River long-term monitoring 2003-2005: Final report.* Logan, Utah: BIO-WEST, Inc., *for*, Southern Nevada Water Authority, Surface Water Resources Department, Las Vegas, 43 pp. (PN-1040-01.)

Albrecht, Brandon A.; Holden, Paul B.; AND Golden, Michael E.

2006 11.4564 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2005-2006 annual report.* Logan, Utah: BIO-WEST, Inc., *for* Southern Nevada Water Authority, Surface Water Resources Department, Las Vegas, 70 pp. (PR-977-1.)

2006 11.4567 *Lake Mead razorback sucker monitoring recommendations : 2005-2006 report.* Logan, Utah: BIO-WEST, Inc., *for* Southern Nevada Water Authority, Surface Water Resources Department, Las Vegas, 41 pp. (PR-977-2.)

Albrecht, Brandon A.; Holden, Paul B.; AND Kegerries, Ron

2009 11.16545 Indications of continued Lake Mead razorback sucker recruitment and management progression [ABSTRACT]. *Desert Fishes Council, 41st Annual Meeting, November 19-22, 2009*, p. 1.

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Albrecht, Brandon A.; Holden, Paul B.; Kegerries, R. B.; AND Golden, Michael E.

2010 11.2256 Razorback sucker recruitment in Lake Mead, Nevada-Arizona, why here? *In:* Special Issue: Lake Mead Limnology and Ecosystem Management. *Lake and Reservoir Management*, 26(4): 336-344.

Albrecht, Brandon A.; Holden, Paul B.; Kerries, Ron; AND Rogers, Ron

2010 11.3760 Lake Mead razorback sucker recruitment, population trends, and relationships to recovery [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 31.

Albrecht, Brandon; Kegerries, Ron; Barkstedt, Judith M.; Brandenburg, W. Howard; Barkalow, Adam J.; Platania, Steven; McKinstry, Mark; Healy, Brian; Stolberg, James; AND Shattuck, Zachary

2014 ☆ 19.4582 Razorback sucker, *Xyrauchen texanus*, research and monitoring in the Colorado River inflow area of Lake Mead and the lower Grand Canyon, Arizona and Nevada [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico*.

Albrecht, Brandon A.; Kegerries, Ron; AND Holden, Paul

2008 11.3745 Lake Mead razorback sucker recruitment: An informative anomaly regarding continued, natural, wild razorback sucker recruitment despite nonnative fish presence [ABSTRACT]. *Desert Fishes Council, 40th Annual Meeting, November 12-16, 2008*, p. 1.

Albrecht, Brandon A.; Kegerries, Ron; Holden, Paul; AND Rogers, Ron

2010 11.4198 *Razorback sucker investigations at the Colorado River inflow area[,] Lake Mead, Nevada and Arizona : 2010 final annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, SEPARATELY PAGINATED SECTIONS, 40+ pp. [64 pp. total].

Albrecht, Brandon A.; Kegerries, Ron; McKinstry, Mark; Stolberg, James; AND Holden, Paul

2012 11.3026 Razorback sucker at the Colorado inflow of Lake Mead: A collaborative effort in species conservation [ABSTRACT]. *In: 2012 Lake Mead Symposium.* Reno: Nevada Water Resources Association, p. 13. (Document running title: *2012 Lake Mead Symposium, Tuscany Suites and Casino, Las Vegas, Nevada, March 5-6, 2012*.)

Albrecht, Brandon A.; Kegerries, Ron; Rogers, Ron; AND Holden, Paul

2008 11.4565 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2007-2008 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Boulder City, Nevada, and Southern Nevada Water Authority, Surface Water Resources Department, Las Vegas, 63 pp. (PR-1161-1.)

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Albrecht, Brandon A.; Mohn, Harrison E.; Kegerries, Ron; McKinstry, Mark C.; Rogers, Ron; Francis, Travis; Hines, Brian; Stolberg, James; Ryden, Dale; Elverud, Darek; Schleicher, Benjamin; Creighton, Katherine; Healy, Brian; AND Senger, Brandon

2017 11.15173 Use of inflow areas in two Colorado River basin reservoirs by the endangered razorback sucker (*Xyrauchen texanus*). *Western North American Naturalist*, 77(4): 500-514.

▶ Study areas in Lake Mead: Colorado River inflow area, Virgin River/Muddy River inflow area, Echo Bay, and Las Vegas Bay. Study areas in Lake Powell (extralimital to this bibliography): Colorado River inflow area and San Juan River inflow area.

Albrecht, Brandon A.; Rogers, Ron; Kegerries, Ron; AND Holden, Paul B.

2010 11.4569 *Razorback sucker studies on Lake Mead, Nevada and Arizona 2009-2010 final report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 51+ pp. [72 pp. total].

Albrecht, Brandon A.; Sanderson, Travis; AND Holden, Paul B.

2008 11.4566 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 1996-2007 comprehensive report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Boulder City, Nevada, and Southern Nevada Water Authority, Las Vegas, 121 pp. (PR-1093-2.)

Albrecht, Brandon A.; Shattuck, Zachary; AND Rogers, Ron J.

2013 11.16607 *Razorback sucker (*Xyrauchen texanus*) studies on Lake Mead, Nevada and Arizona : 2011-2012 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 117, 13, 1, 1 pp.

Albrecht, Brandon A.; Shattuck, Zachary; Rogers, Ron J. AND Kegerries, Ron

2013 11.16608 *Razorback sucker (*Xyrauchen texanus*) studies on Lake Mead, Nevada and Arizona : 2012-2013 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 73, 14, 1 pp.

Allan, Nathan Layne

1993 19.152 *Distribution and abundance of fishes in Shinumo Creek in the Grand Canyon.* Master's thesis, University of Arizona, 76 pp.

Allan, Nathan Layne; Otis, E. O.; Weiss, S. J.; AND Maughan, O. E.

1994 19.154 Biotic and abiotic factors affecting distribution of native fishes in streams tributary to the Colorado River in Grand Canyon [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 20.

1994 19.5039 Biotic and abiotic factors affecting distribution of native fishes in streams tributary to the Colorado River in Grand Canyon [ABSTRACT]. Factores bióticos y abióticos que

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afectan la distribución de peces nativos en arroyos afluetes del Río Colorado en Gran Cañón [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 56. [In English and Spanish.]

Allan, Robert C., AND Roden, Dennis L.

1978 11.1462 Fish of Lake Mead and Lake Mohave; base fisheries data, Boulder Canyon to Davis Dam. *Nevada Department of Wildlife, Biological Bulletin 7*, 105 pp.

Allan, Cal [Allan, Robert C.]**, AND Romero, James**

NO DATE 11.6667 *Underwater observations of largemouth bass spawning and survival in Lake Mead.* [No imprint], 28 pp. [U.S. Bureau of Reclamation; Nevada Department of Fish and Game; U.S. National Park Service.]

Allan, Robert C., AND Romero, James

1975 11.6668 Underwater observations of largemouth bass spawning and survival in Lake Mead. *In:* Stroud, Richard H., and Clepper, Henry Edward (eds.), *Black Bass Biology and Management : National Symposium on the Biology and Management of the Centrarchid Basses, Tulsa, Oklahoma, February 3-6, 1975.* Washington, D.C.: Sport Fishing Institute, pp. 104-112.

Allen, Lee

2008 19.2746 Flying around. *Arizona Highways*, 84(7) (July): 14-21.

► Fly fishing; including Lees Ferry (p. 17).

Amin, Omar M., AND Minckley, Wendell L.

1996 11.6657 Parasites of some fish introduced into an Arizona reservoir, with notes on introductions. *Helminthological Society of Washington, Journal* (Washington, D.C.), 63(2) (July): 193-200.

► Lake Mohave.

Andersen, Matthew E.

2006 19.2622 Grand Canyon humpback chub population stabilizing. *U.S. Geological Survey, Fact Sheet 2006-3109*, 2 pp.

2007 19.2738 Grand Canyon humpback chub population improving. *U.S. Geological Survey, Fact sheet 2007-3113*, 2 pp.

2008 19.2757 Current status of Colorado River native fishes [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 25.

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2009 19.2946 Status and trends of the Grand Canyon population of humpback chub. *U.S. Geological Survey, Fact Sheet 2009-3035*, 2 pp.

Andersen, Matthew E.; Ackerman, Michael W.; Hilwig, Kara D.; Fuller, A. Elizabeth; AND Abel, Angela A.

2008 19.3716 Evidence of young humpback chub, *Gila cypha*, overwintering in the mainstem Colorado River, Marble Canyon, Arizona [ABSTRACT]. *Desert Fishes Council, 40th Annual Meeting, November 12-16, 2008*, p. 1.

Andersen, Matthew E.; Ackerman, Michael W.; Hilwig, Kara D.; Fuller, A. Elizabeth; AND Alley, Paul D.

2010 19.3368 Evidence of young humpback chub overwintering in the mainstem Colorado River, Marble Canyon, Arizona, USA. *Open Fish Science Journal*, 3: 42-50.

Anderson, Mike

2016 19.6187 Rapid response rotenone treatment in a Colorado River slough. *In the Current* (Arizona Game and Fish Department), 2(1) (April): 1.

► Hidden Slough, Glen Canyon; though not mentioned by name.

Anderson, Mike; Bunch, Aaron; AND Stewart, Bill

2012 19.4058 Status of the Lees Ferry rainbow trout fishery, Colorado River, Arizona 1991-2011. *In: Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated].

2013 19.4371 Status of the Lees Ferry rainbow trout fishery, Colorado River, Arizona 1991-2011 [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, p. 16.

Andreu Soler, Asunción; Ruiz Campos, Gorgonio; AND Varela Romero, Alejandro

2014 11.12576 Impacto de los peces exóticos sobre la condición somática del pez en peligro de extinción *Cyprinodon macularius* (Cyprinodontiformes: Cyprinodontidae) en la cuenca baja del Río Colorado (México). The impact of exotic fishes on body condition of the endangered *Cyprinodon macularius* (Cyprinodontiformes: Cyprinodontidae) in the Río Colorado basin (Mexico). *In:* Low Pfeng, Antonio M., Quijón, Pedro A., and Peters Recagno, Edward M. (eds.), *Especies invasioras acuáticas: Casos de estudio en ecosistemas de México.* México: Secretaría de Medio Ambiente y Recursos Naturales, Instituto Nacional de Ecología y Cambio Climático; and Charlottetown, Prince Edward Island, Canada: University of Prince Edward Island, Department of Biology, Coastal Ecology Laboratory, pp. 493-521. [In Spanish, with bilingual title and abstract.]

Andrews, Brenda J.; King, Kirke A.; AND Baker, Denise L.

1997 11.4287 *Environmental contaminants in fish and wildlife of Havasu National Wildlife Refuge, Arizona.* Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Services Field Office, 71 pp. (U.S. Fish and Wildlife Service, Region 2, Contaminants Program.)

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Appleby, Chris

1998 11.17865 Nord-Amerikas ferskvannsfisk (del 4). *Akvarinten* (Lillestrøm og Omegn Akvarieklubb og Oslo Akvarieklubb, Oslo), 5(2): 14-18. [In Norwegian.]

► Colorado River fishes noted, p. 18.

Archer, D. L.

1986 19.176 (PROJECT LEADER) *Colorado River fishes monitoring project : final report*; submitted in accordance with provisions of Memorandum of Understanding Contract No. 2-07-40-L3083 between the U.S. Fish and Wildlife Service and U.S. Bureau of Reclamation (L. R. Kaeding and H. M. Tyus, field supervisors). Lakewood, Colorado: U.S. Fish and Wildlife Service, 64 pp.

Arena, Anthony J.

2009 19.3014 *Feeding behavior and crayfish predation by native and exotic fish of the Colorado River basin.* Master's thesis, Northern Arizona University, 69 pp.

Argonne National Laboratory, Environmental Science Division

2018 19.5963 *Public scoping report for the Expanded Non-native Aquatic Species Management Plan Environmental Assessment.* Argonne, Illinois: Argonne National Laboratory, Environmental Science Division, *for* U.S. National Park Service, Intermountain Region, Denver, 24 pp.

► Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam.

Arizona Fish Commission

NO DATE 11.71 *Report to His Excellency Frederick A. Tritle, Governor of the Territory of Arizona.* [No place]: Arizona Fish Commission, 15 pp. [*Ca.* 1885.] [Stocking Colorado River with shad and carp.]

Arizona Game and Fish Department

NO DATE 11.1457 *Evaluation of trout stocking program in Lake Mohave.* Phoenix: Arizona Game and Fish Department, 10 pp.

► Completion report for July 1, 1972-June 30, 1973.

NO DATE 19.178 *Arizona warmwater sportfisheries strategic plan : 1990-1995.* Phoenix: Arizona Game and Fish Department, 31 pp.

NO DATE 19.4614 *Arizona coldwater sportfisheries : strategic plan, 1991-1995.* Phoenix: Arizona Game and Fish Department, folded brochure.

NO DATE 19.4615 *Arizona's wild trout streams.* Phoenix: Arizona Game and Fish Department, folded brochure.

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NO DATE	11.1923	*Yuma area fishing holes.* [No place]: Arizona Game and Fish Department, [4] pp. [*Ca.* 2010.]
1960	19.2821	*Report on the fishing, hunting and recreational aspects of the proposed Bridge and Marble Canyon Colorado River projects.* Phoenix: Arizona Game and Fish Department, 30 pp. ► Bridge Canyon Dam, Marble Canyon Dam.
1972	11.16161	*Evaluation of trout stocking program below Davis Dam.* [No place]: Arizona Game and Fish Department, 18 pp. (Federal Aid Project F-7-R-14.)
1990	19.179	*Arizona coldwater sportfisheries strategic plan : 1991-1995.* Phoenix: Arizona Game and Fish Department, 30 pp.
1994	19.180	Department newsletters; July 16, 1945 and July 31, 1945; from the files. *In:* Carr, John N. (collector), *It was a rough road! . . . and other Arizona Game and Fish stories.* Phoenix: Heart Track Publications, pp. 34-37. [Ellipsis is part of title.] ► Arizona Game and Fish Department anecdotes. See p. 35, fishing Havasu Creek.
1996	19.2080	*Ecology of Grand Canyon backwaters. Final report prepared for the U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Flagstaff, Arizona.* Phoenix: Arizona Game and Fish Department, cooperative agreement no. 9-FC-40-07940.
1999	19.3374	Lees Ferry tailwater fishery research and monitoring activities, 1999. *Arizona Game and Fish Department, Research Branch, Fishery Fact Sheet* [no number], [8] pp. (Grand Canyon Monitoring and Research Center Cooperative Agreement 1425-97-FC-40-22690.)
2003	19.2461	*Arizona's native fish heritage.* Phoenix: Arizona Game and Fish Department, 36 pp.

Arizona Game and Fish Department, Research Branch

2019	☆ 19.6443	*Research Branch annual update : Spring 2019 : (for work completed during 2018).* [No place]: Arizona Game and Fish Department, 48 pp. ► See: "Managing for the Blue Ribbon Rainbow Trout Fishery at Lees Ferry" (pp. 12-13), "Long-Term Fish Monitoring in the Grand Canyon" (pp. 14-15), "Investigations into Razorback and Flannelmouth Sucker Hybridization" (pp. 16-17) (Grand Canyon), "Evaluation of Predator Recognition in Bonytail and Razorback Sucker" (pp. 18-19) (Lower Colorado River).

Arizona State University, ASU Art Museum

2014	19.6984	*AMUseum educational resource : Trout Fishing in America and Other Stories : Bryndis Snæbjöornsdóttir/Mark Wilson, Arizona State University Art Museum, October 4, 2014-January 17, 2015*. (Co-curated by Ron Broglio and Heather Sealy Lineberry.) [No place]: Arizona State University Art Museum, [unpaginated]. ► Photographic-exhibit guide and educational resource. "Over a two-year period, artists Bryndia Snæbjöornsdóttir (Iceland) and Mark Wilson (UK) have explored the networks and ripple effects of scientific conservation initiatives in Arizona. [. . .] Taking a kind of vertical slice of the Grand Canyon, they have focused on the reintroduction of two endangered species to the environment—the Humpback Chub,

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native to the Colorado River, and the California Condor, whose zones of flight extend from the Canyon to the Vermilion Cliffs and into Utah. This exhibition examines how ecologies can change radically as a result of tiny individual initiatives by human or other agents."

Atwill, Lionel A.

1982 19.185 Deep-ditch fishing. *Sports Afield*, 187 (May): 110, 112, 168.

Augustyn, Leszek; Bartel, Ryszard; AND Epler, Piotr

2006 19.6056 Effects of catastrophic floods on post-stocking survival of reared fry of the brown trout (*Salmo trutta* m. *fario* L.). Wpływ katastrofalnych powodzi na pozarybieniową przeżywalność podchowanego narybku pstrąga potokowego (*Salmo trutta* m. *fario* L.). *Acta Scientarum Polonorum: Piscaria* (Poznań), 5(1): 3-16. [In English, with title and abstract also in Polish.]

▶ See p. 13, brief remarks on artificial flood in Grand Canyon.

Avery, Luke A., AND Korman, Josh

2013 19.4372 Flow related responses to the age-0 rainbow trout population in the Colorado River in lower Glen Canyon, AZ [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, pp. 16-17.

Avery, Luke A.; Korman, Josh; AND Persons, William R.

2015 19.4724 Effects of increased discharge on spawning and age-0 recruitment of rainbow trout in the Colorado River at Lees Ferry, Arizona. *North American Journal of Fisheries Management*, 35(4): 671-680.

Avery, Luke A.; Ward, David L.; AND Marks, Jane C.

2011 ☆ 19.6137 Exercise conditioning decreases downstream movement of pond-reared razorback suckers released into a stream environment. *Western North American Naturalist*, 71(1) (April): 78-85.

▶ Study area is Fossil Creek, west of Strawberry, Arizona (extralimital to this bibliography), but includes remarks on Colorado River, pp. 79, 83.

B

Bagley, Brian, AND Severson, Mark

1991 19.196 Stranding of rainbow trout below Glen Canyon Dam [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 29-30.

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Bahr, Sandy

2008 19.6100 Dammed to extinction? The plight of humpback chub. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 44(3) (May/June): 6.

Bair, Lucas S.; Rogowski, David L.; AND Neher, Chris

2016 19.5938 Economic value of angling on the Colorado River at Lees Ferry: Using secondary data to estimate the influence of seasonality. *North American Journal of Fisheries Management*, 36(6): 1229-1239.

Bair, Lucas S.; Neher, C. J.; Rogowski, D. L.; Duffield, J. W.; Patterson, D. A.; AND Neher, K.

2017 19.5833 Economic value of angling and whitewater boating on the Colorado River: using revealed and stated preference methods to inform adaptive management [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 7.

► Glen Canyon National Recreation Area and Grand Canyon National Park.

Bair, Lucas S.; Yackulic, Charles B.; Springborn, Michael R.; Reimer, Matthew N.; Bond, Craig A.; AND Coggins, Lewis G.

2017 19.5834 Enhancing endangered species population abundance via cost-effective invasive species control strategies: adaptive management in the Grand Canyon [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 7.

2018 19.6000 Identifying cost-effective invasive species control to enhance endangered species populations in the Grand Canyon, USA. *Biological Conservation*, 220 (April): 12-20.

Bair, Russell T.; Schenk, Edward R.; Tobin, Benjamin W.; AND Childres, Hampton

2016 19.5160 Potential impacts on native and invasive fish habitat in Bright Angel Creek (AZ) with the redesign of Grand Canyon water intake infrastructure [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 48(7): Paper 94-8, doi:10.1130/abs/2016AM-282429.

► Regarding the replacement of the Transcanyon Pipeline and consideration of moving intake facility from Roaring Springs to near the mouth of Bright Angel Creek.

Baird, Spencer F., AND Girard, Charles

1853 11.9225 Fishes. *From:* Woodhouse, Samuel Washington, Report of the natural history of the country passed over by the exploring expedition . . . . *In:* Sitgreaves, L., Report of an expedition down the Zuni and Colorado Rivers. *U.S. 32nd U.S. Congress, 2nd Session, Senate Executive Document 59*, pp. 148-152.

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Baker, John R., AND Paulson, Larry J.

1983 11.958 The effects of limited food availability on the striped bass fishery in Lake Mead. *In:* Adams, V. Dean, and Lamarra, Vincent A. (eds.), *Aquatic resources management of the Colorado River ecosystem.* Las Vegas, Nevada, and Ann Arbor, Michigan: Ann Arbor Science Publications, pp. 551-561.

Baker, Susan E.

1994 19.209 Notice of availability of draft modifications to the Recovery Action Plan for the Recovery Implementation Program for the endangered fish species in the Upper Colorado River Basin. *Federal Register*, 59(117) (June 20): 31620-31621.

Ballotti, John

2012 19.3652 When fishing really is catching. *Chum Line* (Los Angeles Rod and Reel Club), (June): 3.

► Lees Ferry.

Bancroft, C. D., AND Sylvester, K.

1978 19.212 The Colorado River Glen Canyon tailwater fishery. *In: Arizona Game and Fish Department, Region II, Annual Report*.

Barkalow, Adam Lawrence

2017 ☆ 19.5868 *Evaluating the relationship of temperature and growth of a larval Colorado River catostomid,* C. latipinnis*, through otolith aging and stable isotopes ($\delta^{18}O$).* Master's thesis, University of New Mexico, 73 pp.

► *Catostomus latipinnis*. Colorado River study area, from near Lava Falls in Grand Canyon to near Pearce Ferry in Lake Mead.

Barkstedt, Judith M.; Barkalow, Adam L.; Platania, Steven; Kegerries, Ron B.; Albrecht, Brandon A.; Healy, Brian D.; Stolberg, James R.; AND McKinstry, Mark C.

2014 19.4584 Documentation of spawning by razorback sucker, *Xyrauchen texanus*, razorback sucker [*sic*] in the lower Grand Canyon during 2014 [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico*.

Barney, Earl

NO DATE 11.9364 Let's catch stripers. *In: Colorado River '73 guide book : Davis Dam to Parker : Bullhead City, Needles, Lake Havasu City, Parker.* Lubbock, Texas: Pyramid Printing and Publishing Co., pp. 10, 28. [1973?]

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Barrett, Paul James

1983 11.16338 *Systematics of fishes of the genus* Tilapia *(Perciformes:Cichlidae) in the lower Colorado River basin.* Master's thesis, Arizona State University, 60 pp.

Bassett, Bud; Brown, David E.; Silvey, Bill; Sorensen, Roger; AND Riley, Larry

2012 11.13018 More hatcheries and better fishing. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 131-142.

► Includes notes on lower Colorado River fishing.

Batham, Wendy, AND Davis, William E.

2003 19.2810 *Stranding of rainbow trout during experimental fluctuating releases from Glen Canyon Dam on the Colorado River.* Mesa, Arizona: EcoPlan Associates, Inc., *for* U.S. Geological Survey, 17 [50+] pp. (EcoPlan Biological Resources Report 02-606.)

Baxter, Colden V.

2020 19.6581 [Remarks.] *In:* 追悼～中野繁氏を偲ぶ：バハカリフォルニア沖海難事故から20年 [Tsuitō ～ Nakano Shige-shi o shinobu: Bahakariforunia oki kainan jiko kara 20-nen] [Mourning—In memory of Mr. Shigeru Nakano: 20 years after the marine accident off the coast of Baja California]. 一般社団法人日本生態学会ニュースレター [Nihon seitai gakkai Nyūsuretā] [Ecological Society of Japan, Newsletter], 2020(5) (51) (May): 6-7. [In Japanese.]

► Includes remark (p. 7, *translated here*), "In the last few months, I have been able to publish several treatises that follow Mr. Nakano's footsteps . . . [including a] study that revealed the fact that aquatic insects, fish, and their interactions determine the circulation and fate of mercury between the Colorado River in the Grand Canyon and its banks." Author's name is given in Japanese orthography: コールデン・V・バクスター.

Baxter, Colden V.; Rosi-Marshall, Emma J.; Cross, Wyatt F.; Kennedy, Theodore A.; Wellard, Holly A.; Hall, Robert O.; AND Yard, Michael D.

2008 19.2762 A quantitative food web and ecosystem production budget for Glen Canyon, Colorado River [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 36.

► Glen Canyon Dam tailwater.

Baylon Grecco, Oscar

1985 11.18887 Analisis de la composicion ictiofaunistica del bajo Rio Colorado en Baja California, Mexico [ABSTRACT]. *From:* Desert Fishes Council, Fourteenth Annual Symposium, hosted by the Arizona State University Department of Zoology and held at the Granada Royale Hometel–Tempe, Arizona, November 18-20, 1982. *In:* Pister, E. P. (ed.), *Proceedings of the Desert Fishes Council, Vol. XIII–XV-B : the Thirteenth-*

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Fifteenth Annual Symposia, pp. 222-224. *(Desert Fishes Council, Proceedings*, 14: 222-224.) [In Spanish and English, with title only in Spanish.]

Beckstrand, Mark

2009 11.1740 The history of threadfin shad in Lake Mead and their importance to the sport fishery [ABSTRACT]. *In: Lake Mead Science Symposium, January 13 and 14, 2009, Las Vegas, Nevada : program.* [Las Vegas: University of Nevada at Las Vegas], pp. 11-12.

Behn, Kathrine E., AND Baxter, Colden V.

2019 19.6270 The trophic ecology of a desert river fish assemblage: Influence of season and hydrologic variability [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 11-12.

► Little Colorado River.

Beland, Richard D.

1953 11.10136 The effect of channelization on the fishery of the lower Colorado River. *California Fish and Game*, 39(1): 137-139.

1953 11.16339 The occurrence of two additional centrarchids in the lower Colorado River, California. *California Fish and Game*, 39(1): 149-151.

► Red-ear sunfish, *Lepomis microlophus* (Gunther), new to California; and smallmouth black bass, *Micropterus dolomieu* Lacépède, not new to California but new to the Colorado River.

Berry, C. R.

1984 19.3099 Hematology of four rare Colorado River fishes. *Copeia*, 1984(3): 790-793.

► Razorback sucker, *Xyrauchen texanus*; Colorado squawfish, *Ptychocheilus lucius*; humpback chub, *Gila cypha*; and bonytail chub, *G. elegans*.

Berry, C. R., AND Pimentel, R.

1985 19.3098 Swimming performances of three rare Colorado River fishes. *American Fisheries Society, Transactions*, 114: 397-402.

► Humpback chub, *Gila cypha*; bonytail chub, *G. elegans*; and Colorado squawfish, *Ptychocheilus lucius*.

Best, Eric

2007 11.4575 *Investigations of flannelmouth sucker habitat use, preference and recruitment downstream of Davis Dam, in the lower Colorado River (LCRMSCP Work Task C-15).* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 42 pp.

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Best, Eric, AND Lantow, Jeff

2010 11.4574 *Investigations in flannelmouth sucker habitat use, preference, and recruitment downstream of Davis Dam in the lower Colorado River—2008 annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 24 pp.

2012 11.4572 *Flannelmouth sucker habitat use, preference, and recruitment downstream of Davis Dam—2009 annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 14 pp.

2012 11.4573 *Investigations of flannelmouth sucker habitat use, preference, and recruitment downstream of Davis Dam in the lower Colorado River, 2006-2010.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 54 pp.

Bestgen, Kevin R.

1990 11.6949 *Status review of the razorback sucker,* Xyrauchen texanus. Fort Collins, Colorado: Colorado State University, Larval Fish Laboratory, *for* U.S. Bureau of Reclamation, Upper Colorado Regional Office, Salt Lake City, Utah, 92 pp. (Colorado State University, Larval Fish Laboratory, Contribution 44.)

Bestgen, Kevin R.; Dowling, Thomas; Albrecht, Brandon; AND Zelasko, Koreen

2018 11.15991 Large-river fish conservation in the Colorado River basin: Progress and challenges with endangered razorback sucker [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [13].

Bestul, Scott; Garth, Gary; Hicks, Mark; Landers, Rich; Marshall, Bob; Mathiesen, Peter B.; McCafferty, Keith; Merwin, John; Pyne, Lawrence; Saile, Bob; Schultz, Ken; Scroppo, Dave; AND Sutton, Keith

2004 11.9825 (CONTRIBUTORS) Fishing destiny; the 50 best places in North America to catch the fish of your dreams. *Field and Stream*, 109(1) (May): cover, 56-63, 66-70, 72, 74-75, fold-out map.

► *See with* "Catch a Cow Striper (Freshwater)": "Close Second: Lake Mohave, Boulder City, Nevada" (*sic*) (p. 67).

Bettaso, Robert H., AND Young, Jeffrey N.

1999 11.1000 Evidence for freshwater spawning by striped mullet and return of the Pacific tenpounder in the lower Colorado River. *California Fish and Game*, 85(2) (Spring): 75-76.

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Bevans, Hugh E.; Goodbred, Steven L.; Miesner, John F.; Watkins, Sharon A.; Gross, Timothy S.; Denslow, Nancy D.; AND Schoeb, Trenton

1996 11.8152 Synthetic organic compounds and carp endocrinology and histology in Las Vegas Wash and Las Vegas and Callville Bays of Lake Mead, Nevada, 1992 and 1995. *U.S. Geological Survey, Water-Resources Investigations Report 96-4266*, 12 pp.

Billerbeck, Rob; Cantrell, Chris; Capron, Shane; Ellsworth, Craig; Grantz, Katrina; Crawford, Marianne; Gwinn, Jessica; VanderKooi, Scott; Runge, Mike; AND Braun, David

2017 19.5762 (WORKSHOP PLANNING TEAM) *Brown trout below Glen Canyon Dam: A preliminary analysis of risks and options : final pre-workshop version, September 21, 2017.* [No imprint], 62 pp.

Bio/West, Inc.

1995 19.5519 *Effects of interim flows from Glen Canyon Dam on the aquatic resources of the lower Colorado River from National Canyon to Lake Mead : data management protocol, 1992-1993.* Logan, Utah: Bio/West, Inc., *for* [Hualapai Tribe], Hualapai Natural Resouces Department, Peach Springs, Arizona; and Glen Canon Environmental Studies, Flagstaff, Arizona, 10, 7 pp.

1995 19.266 *Life history and ecology of the humpback chub (*Gila cypha*) in the Colorado River, Grand Canyon, Arizona : appendix.* Logan, Utah: Bio/West, *for* U.S. Bureau of Reclamation, Salt Lake City, and Glen Canyon Environmental Studies, Flagstaff, Arizona, individually paginated appendices A-H [177 pp. total]. (Contract No. 0-CS-40-09 I 10.)

Blair, Eric, AND Hess, Victoria

2016 19.5918 The troublesome trout. *In:* Vance, Jona (facilitator), *Hot Topics Café : Threats to the Grand Canyon : Thursday, November 17, 2016, 6-7:30 p.m., Museum of Northern Arizona.* [Flagstaff, Arizona]: Northern Arizona University, College of Arts and Letters, Philosophy in the Public Interest, pp. 3-4.

► In the form of a fact sheet.

Blanchard, Bruce

1993 19.272 Endangered and Threatened wildlife and plants: Proposed rule determining critical habitat for the Colorado River endangered fishes: Razorback sucker, Colorado squawfish, humpback chub, and bonytail chub; correction. *Federal Register*, 59(48) (March 15): 13732.

► Correction to Tyus (58(177) (September 15, 1992): 48351-48352; ITEM NO. 19.1708).

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Bowers, Bob

2014 19.4438 Lee's Ferry fishing trip report. *Newsletter* (White Mountains Fly Fishing Club, Pinetop, Arizona), (May): 6.

Boyer, Jan K.; Rogowski, David L.; AND Wolters, Pilar N.

2018 19.5743 Fish are friends, not food? Angler attitudes at Lees Ferry [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 28. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Bonjour, Sophia M. ; Gido, Keith B.; McKinstry, Mark C.; Cathcart, Charles N.; Bogaard, Matthew R.; Dzul, Maria; Healy, Brian D.; Hooley-Underwood, Zachary E.; Rogowski, David L. ; AND Yackulic, Charles B.

2023 19.6846 Migration timing and tributary use of spawning flannelmouth sucker (*Catostomus latipinnis*). *Journal of Fish Biology*, 103(5) (November): 1144-1162 + Supporting Information online (Figs. S1-S4) (https://doi.org/10.1111/jfb.15509).

► Principal study site is in McElmo Creek, a tributary to the San Juan River, which is extralimital to this bibliography; but includes a "broader analysis" of four tributaries in the Colorado River basin, including the Little Colorado River.

Bozek, Michael Anthony; Paulson, Larry J.; AND Deacon, James E.

1984 11.1460 Factors affecting reproductive success of bonytail chubs and razorback suckers in Lake Mohave. *Lake Mead Limnological Research Center, Technical Report 12* (University of Nevada at Las Vegas), 136 pp. (University of Nevada at Las Vegas.)

Bozek, Michael Anthony; Paulson, Larry J.; AND Wilde, Gene R.

1990 11.1597 Effects of ambient Lake Mohave temperatures on development, oxygen consumption, and hatching success of the razorback sucker. *Environmental Biology of Fishes*, 27: 255-263.

Bozek, Michael Anthony; Paulson, Larry J.; Wilde, Gene R.; AND Deacon, James E.

1991 11.1596 Spawning season of the razorback sucker, *Xyrauchen texanus*, in Lake Mohave, Arizona and Nevada. *Journal of Freshwater Ecology*, 6: 61-73.

Bradford, Richard H., AND Gurtin, Scott D.

1997 11.6905 Habitat use by razorback suckers implanted with ultra-sonic transmitters and released into the Imperial Division, lower Colorado River [ABSTRACT]. *In:* Forty first Annual Meeting, April 19, 1997, The University of Las Vegas, Las Vegas, Nevada. *Arizona-Nevada Academy of Science, Journal*, 32(1997 Proceedings Supplement): 21.

2000 11.863 Habitat use by hatchery-reared adult razorback suckers released into the lower Colorado River, California-Arizona. *North American Journal of Fisheries Management*, 20(1): 154-167.

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Bramblett, Robert G., AND Gorman, Owen T.

1999 19.5333 Little Colorado River monitoring and research, July 1998. *In:* Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 14-16.

1999 19.5334 Little Colorado River monitoring and research, October 1998. *In:* Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 17-20.

1999 19.5335 Mainstream Colorado River and tributaries monitoring and research, 16 June-1 July 1998 (trip 1) and 26 August-11 September 1998 (trip 2). *In:* Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, pp. 21-27.

Braun, David P.

2015 11.16613 *Bonytail (*Gila elegans*) (BONY) basic conceptual ecological model for the lower Colorado River.* [No place]: Sound Science, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 137, 13 pp.

2015 11.16614 *Flannelmouth sucker (*Catostomus latipinnis*) (FLSU) basic conceptual ecological model for the lower Colorado River.* [No place]: Sound Science, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 155, 13, 8 pp.

2018 11.15434 *Razorback sucker (*Xyrauchen texanus*) (RASU) basic conceptual ecological model for the lower Colorado River.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 201+ pp. [232 pp. total].

2019 11.16442 *Bonytail (*Gila elegans*) (BONY) basic conceptual ecological model for the Lower Colorado River : 2018 updates.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 101 pp.

2019 11.16443 *Flannelmouth sucker (*Catostomus latipinnis*) (FLSU) basic conceptual ecological model for the Lower Colorado River : 2018 updates.* Boulder City, Nevada: U.S. Bureau of

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Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 95 pp.

Braun, David P., AND McClure, Christopher J. W.

2013 11.16615 *Razorback sucker (*Xyrauchen texanus*) (RASU) basic conceptual ecological model for the lower Colorado River.* [No place]: Sound Science, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 167, 7 pp.

Brooks, J. P.

1931 19.314 Official report on stocking canyon streams with fish. *Grand Canyon Nature Notes*, 5(5) (March): 48.

1932 19.315 [Update on rainbow trout stocked in Havasu Creek a year ago.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 6(4) (February): 33.

Brooks, James E.

1987 11.12856 Different perspectives on razorback sucker management in the Upper and Lower Colorado River basins / Perspectivas diferentes sobre manejo de razorback sucker entre alta y baja cuencas del rio Colorado [ABSTRACT]. *From:* Seventeeth Annual Symposium, Death Valley National Monument Headquarters, Furnace Creek, California, November 14-16, 1985. *In:* Pister, Edwin P. (ed.), *Proceedings of the Desert Fishes Council : Volumes XVI-XVIII : the Sixteenth-Eighteenth Annual Symposia.* Bishop, California: Desert Fishes Council, *in cooperation with* University of Nevada, Las Vegas [*Desert Fishes Council, Proceedings*, 16/18]: 179-180. [In Spanish and English.]

Brooks, Ralph

2006 19.3079 Fly of the month: "Lees Ferry Scud". *The Fly Line* (Washington County Fly Fishers [Oregon], Federation of Fly Fishers), (64) (January):.

► Fishing lure.

Brouder, Mark J., AND Hoffnagle, Timothy L.

1996 19.6074 Distribution and prevalence of the Asian tapeworm, *Bothriocephalus acheilognathi*, in the Colorado River and its tributaries, Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 25. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

1997 19.2088 Distribution and prevalence of the Asian fish tapeworm, *Bothriocephalus acheilognathi*, in the Colorado River and tributaries, Grand Canyon, Arizona, including two new host records. *Helminthological Society of Washington, Journal* (Washington, D.C.), 64: 219-226.

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Brouder, Mark J.; Hoffnagle, Timothy L.; Tuegel, Marty A.; AND Persons, William R.

1997 19.4826 *Glen Canyon Environmental Studies Colorado River native fish study : 1995 annual report.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, 101 pp.

Brough, Jamie, AND Greenfield, Tonja

2016 19.5417 End and beginning; a day at Lees Ferry. *Gateway to Canyon Country* (Page, Arizona), (Spring): 20, 22.

► Lees Ferry fishery.

Brown, David E., AND Riley, Larry

2012 11.13025 Fish management expands in intensity. *In:* Brown, David E., *Bringing back the game : Arizona wildlife management, 1912-1962.* Phoenix: Arizona Game and Fish Department, pp. 253-270.

Brown, Leslie I., AND Valdez, Richard A.

1994 19.364 *Grand Canyon fisheries integrated database. Phase I: A catalogue of fisheries data from Grand Canyon. Preliminary Phase I completion report.* Logan, Utah: Bio/West, Inc., *for* Glen Canyon Environmental Studies, Flagstaff, and U.S. Bureau of Reclamation, Salt Lake City, SEPARATELY PAGINATED SECTIONS [112 pp. total]. (Bio/West Report TR-250-11.)

Brown, Leslie I.; Hougaard, Todd R.; McHugh, Krista A.; AND Valdez, Richard A.

1995 19.6294 *Grand Canyon fisheries integrated database : draft report.* Logan, Utah: BIO/WEST, Inc., *for* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, SEPARATELY PAGINATED SECTIONS [253 pp. total].

1995 19.365 *Life history and ecology of the humpback chub (*Gila cypha*) in the Colorado River, Grand Canyon, Arizona. Supplement No. IV: Grand Canyon fisheries integrated database.* Salt Lake City: U.S. Bureau of Reclamation, and Flagstaff, Arizona: Glen Canyon Environmental Studies, *for* U.S. Bureau of Reclamation, Salt Lake City, SEPARATELY PAGINATED SECTIONS [190 pp. total]. (Contract No. 0-CS-40-09110.)

Brown, Mark

2008 11.9993 Striped mullet; *Mugil cephalus*. *In:* Wildlife Field Notes [SECTION]. *Arizona Wildlife Views*, (January/February): 25.

Brunner, P. C.; Douglas, M. R.; AND Douglas, M. E.

1999 19.4478 Are flannelmouth sucker in the Grand Canyon panmictic? [ABSTRACT]. ¿Son panmícticos los matalotes boca de franela en el Gran Cañón? [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 2-3. [In English and Spanish.]

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Bullard, Matthew, AND Best, Eric L.

2022 11.18988 *Native fish monitoring in Reach 3 of the Lower Colorado River : 2018 annual report.* Denver: U.S. Bureau of Reclamation, Technical Service Center, Fisheries and Wildlife Resources Group, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 27 pp.

Bullard, Matthew; Hueth, Charles; AND Best, Eric L.

2019 11.16926 *Native fish monitoring in Reach 3 of the Lower Colorado River : 2016-2017 annual report.* Denver: U.S. Bureau of Reclamation, Technical Service Center, Fisheries and Wildlife Resources Group, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 25 pp.

Bunch, Aaron J., AND Stewart, Bill

2012 19.4059 Factors influencing rainbow trout spatial distribution patterns in a large regulated river. *In: Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated].

► Lees Ferry fishery.

Bunch, Aaron J.; McKinstry, M.; Albrecht, B.; Anderson, M.; Persons, W.; AND Smith, E.

2013 19.4368 A rare find in Grand Canyon—the razorback sucker [ABSTRACT]. *In: 46th Joint Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society*, p. 19.

Bunch, Aaron J.; Stewart, Bill; AND Andrejko, George

2012 19.5198 Tight lines at Lees Ferry; it is hard to believe a place like Lees Ferry exists in Arizona, but this is one of the best blue-ribbon rainbow trout fisheries in the nation. *Arizona Wildlife Views*, (January/February):12-15.

Burgad, Aaron A.; Kesner, Brian; AND Marsh, Paul

2018 11.15996 Long-term patterns of fish community structure in Lake Mohave, Arizona-Nevada [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [55].

Burgad, Aaron A.; Rennert, Jake J.; Kesner, Brian R.; Pacey, Carol A.; AND Marsh, Paul C.

2019 11.16498 *Demographics and monitoring of repatriated razorback suckers in Lake Mohave : 2018 annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Multi-Species Conservation Program, 41 pp.

Burgess, Towns, AND Flowers, Jared

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Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2-3.

Burke, Thomas A. [Burke, Tom]

1994 11.10350 Rearing wild razorback sucker larvae in lake-side backwaters, Lake Mohave, Arizona/Nevada [ABSTRACT]. Crianza de larvas silvestres de matalote jorobado, en bahias aisladas del Lago Mohave, Arizona/Nevada [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 37. [In English and Spanish.]

Burke, Thomas A.; Busch, D. E.; AND Rinne, W. E.

1984 11.15347 Fish and wildlife mitigation program for the Colorado River Basin Salinity Control Project—a case history. *In:* French, Richard H. (ed.), *Salinity in Watercourses and Reservoirs : proceedings of the 1983 International Symposium on State-of-the-Art Control of Salinity, July 13-15, 1983, Salt Lake City, Utah.* Boston: Butterworth Publishers, pp. 539-548.

Burrell, Michael D.

2009 11.1739 The development of the Lake Mohave striped bass (*Morone saxatilis*) fishery and its impact on the threadfin shad (*Dorosoma petenense*) population and the stocked rainbow trout (*Oncorhynchus mykiss*) fishery [ABSTRACT]. *In: Lake Mead Science Symposium, January 13 and 14, 2009, Las Vegas, Nevada : program.* [Las Vegas: University of Nevada at Las Vegas], p. 11.

2012 11.3032 Lake Mohave fisheries habitat improvement project [ABSTRACT]. *In: 2012 Lake Mead Symposium.* Reno: Nevada Water Resources Association, p. 16. (Document running title: *2012 Lake Mead Symposium, Tuscany Suites and Casino, Las Vegas, Nevada, March 5-6, 2012*.)

Buth, D. G.; Haglund, T. R.; AND Drill, S. L.

1995 11.2057 Allozyme variation and population structure in the razorback sucker, *Xyrauchen texanus*. Variación alozimática y estructura de población en matalote jorobado, *Xyrauchen texanus* [ABSTRACT]. *Desert Fishes Council, Proceedings*, 26: 26-29. [In English and Spanish.]

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1964 11.865 *Colorado River anglers' guide.* California Resources Agency, Department of Fish and Game, 14 pp. (one sheet, folded to created numbered pages).

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Call, Charles H., Jr.

2001 19.2965 Adaptive management policy for endangered native fishes between Glen Canyon Dam and Lake Mead. *In:* Phelps, Don, and Sehlke, Gerald (eds.), *Bridging the gap: Meeting the world's water and environmental resources challenges : proceedings of World Water and Environmental Resources Congress, May 20-24, 2001, Orlando, Florida.* Reston, Virginia: American Society of Civil Engineers.

Calvo Fonesca, Alejandra

2008 11.4150 The icthiofauna [*sic*] composition and presence of estuarine and marine species of the Hardy Colorado River and its estuary. *In:* What's Going on in the Delta? [SECTION]. *Colorado River Delta Research Coordination Network / Delta del Río Colorado Red Coordinadora de Investigaciones, Newsletter / Gaceta Informativa*, (4) (September): 2. [Summary.]

Campbell, D. Cooper, AND Piller, Kyle R.

2017 11.13123 Let's jump in: A phylogenetic study of the Great Basin springfishes and poolfishes, *Crenichthys* and *Empetrichthys* (Cyprinodoniformes: Goodeidae). *PLoS One*, 12(10): e0185425, 21 pp.

▶ Includes locality in Muddy River, Nevada.

Campbell, Joshua R.; Kesner, Brian R.; Schooley, Jason D.; Schwemm, Michael R.; AND Marsh, Paul C.

2007 11.4558 *Survival of razorback sucker stocked into the lower Colorado River : final 2006 annual report.* Tempe, Arizona: Arizona State University, School of Life Sciences, Native Fish Lab, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 42 pp. (Agreement No. 06-FC-300002.)

Carmichael, Gary J.; Williamson, J. Holt; Gorman, Owen T.; AND Tiersch, Terrence R.

1996 11.188 Field propagation techniques for the endangered razorback sucker. *North American Journal of Fisheries Management*, 16: 963-966.

Carothers, Steven W.

1997 ☆ 19.5413 Steven Carothers, SWCA Environmental Consultants, Flagstaff, Arizona; changing the focus in endangered fishes management. *From:* Approaches to More Effective Basin Management; Stakeholder Perspectives [SECTION]. *In:* Grand Canyon Trust, *Colorado River Basin management study : a report to the Bureau of Reclamation, April 1997 : final report.* (Tom Moody, Project Manager.) Flagstaff, Arizona: Grand Canyon Trust, pp. 64-65.

Carothers, Steven W., AND Aitchison, Stewart W.

1971 19.5780 *Blue Springs (mi. 13, Little Colorado River) as a barrier to distribution of speckled dace Rhinichthys osculus Girard (CYPRINIDAE) : preliminary report (1971) and*

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request for additional support (1972). [Flagstaff, Arizona]: Museum of Northern Arizona, *for* Grand Canyon Natural History Association, 10 pp. [Title thus.]

Carothers, Steven W., AND Minckley, C. O.

1981 19.418 *A survey of the fishes, aquatic invertebrates and aquatic plants of the Colorado River and selected tributaries from Lee* [sic] *Ferry to Separation Rapids.* Boulder City, Nevada: U.S. Department of the Interior, Water and Power Resources Service, Lower Colorado Region, 401 pp. (Contract No. 7-07-30-X0026.) (Title on cover reads: *A survey of the aquatic flora and fauna of the Grand Canyon. Final report. February 4, 1981.*)

Carpenter, Jeanette

2009 11.16546 Biological and water quality monitoring of native fish sanctuaries in the lower Colorado River Basin, 2005-2009 [ABSTRACT]. *Desert Fishes Council, 41st Annual Meeting, November 19-22, 2009*, pp. 3-4.

Carpenter, Jeanette, AND Mueller, Gordon A.

2008 11.11323 Small nonnative fishes as predators of larval razorback suckers. *Southwestern Naturalist*, 53(2): 236-242.

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2004 11.6965 Investigations in to early life histories of razorback sucker and bonytail in Cibola High Levee Pond [ABSTRACT]. *In: American Fisheries Society, Western Division, Bonneville Chapter and Colorado/Wyoming Chapter, 2004 Annual Meeting*, [unpaginated].

Carswell, Cally

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with University of Nevada, Las Vegas [*Desert Fishes Council, Proceedings*, 16/18]: 44-45. [In Spanish and English.]

Deacon, James E., AND Williams, Jack E.

1984 11.5834 Annotated list of the fishes of Nevada. *Biological Society of Washington, Proceedings* (Washington, D.C.), 97(1): 103-118.

Deacon, James E.; Hubbs, Clark; AND Zahuranec, Bernard J.

1964 11.6277 Some effects of introduced fishes on the native fish fauna of southern Nevada. *Copeia*, 1964(2) (June 30): 384-388.

► Lake Mead.

Deacon, James E.; Schumann, Paul B.; AND Stuenkel, Edward L.

1987 11.11717 Thermal tolerances and preferences of fishes of the Virgin River system (Utah, Arizona, Nevada). *Great Basin Naturalist*, 47(4) (October): 538-546.

Deadmond, Vince

2010 19.4389 Winter fly fishing at Lee's Ferry. *Forward Casts* (Desert Fly Casters, Mesa, Arizona), (January): [6].

2014 19.5195 Fly fishing philosophy. *Forward Casts* (The Desert Fly Casters, Chandler, Arizona), (February): 4.

► Lees Ferry fishery.

Deemer, Bridget; Yackulic, Charles; AND Mihalevich, Bryce

2024 19.7001 Modeling impacts of different reservoir management scenarios on dissolved oxygen concentrations in Glen Canyon Dam releases. *In:* Yackulic, Charles B., *et al.*, *Modeling the impacts of Glen Canyon Dam operations on Colorado River resources : prepared in cooperation with the U.S. Geological Survey as part of Interagency Agreement R24PG00010 (USBR)—NEPA Modeling Project.* Flagstaff, Arizona: U.S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, pp. 125-133.

► Focus on effects upon the Lees Ferry rainbow trout fishery. NEPA: National Environmental Policy Act.

Deeter, Kirk

2002 19.2396 Lee's Ferry rainbows. *Fly Fisherman*, (December):.

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Deeter, Kirk; McCafferty, Keith; AND Merwin, John [Deeter, Kirk; Leeson, Ted; McCafferty, Keith; AND Merwin, John]

2005 19.3484 Best of the West; it's the promised land of trout fishing. *Field and Stream*, 110(3) (July): cover, 46-54, 56-57.

► See p. 53, "Watch Them Eat; Colorado River, Lees Ferry, Arizona". *NOTE*: Authors as listed in paper. The issue Table of Contents (p. 3) shows Leeson's name as second author.

DeGroff, Katherine

2022 19.6770 Angling for cash; Glen Canyon National Recreation Area tries a novel approach to control brown trout. *National Parks*, 96(1) (Winter): 13.

► Lees Ferry fishery.

Delrose, Patricia Kathleen

2011 11.4543 *Five year summary of razorback sucker (*Xyrauchen texanus*) larval collections on Lake Mohave: 2005-2009.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 9 pp.

DeMarais, Bruce Douglas

1986 11.10270 *Morphological variation in* Gila *(Pisces: Cyprinidae) and geologic history: Lower Colorado River basin.* Master's thesis, Arizona State University, 86 pp.

1992 ☆ 19.549 *Genetic relationships among fishes allied to the genus* Gila *(Teleostei: Cyprinidae) from the American Southwest.* Doctoral dissertation, Arizona State University, 207 pp.

Demarais, Bruce D., AND Dowling, T. E.

1993 19.3131 Introgressive hybridization and evolution of Colorado River basin *Gila* (Teleostei: Cyprinidae) [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 67.

DeMarais, Bruce D.; Dowling, Thomas E.; Douglas, Michael E.; Minckley, W. L.; AND Marsh, Paul C.

1992 11.4777 Origin of *Gila seminuda* (Teleostei: Cyprinidae) through introgressive hybridization: Implications for evolution and conservation. *U.S. National Academy of Sciences, Proceedings*, 89 (April): 2747-2751.

DeMarais, Bruce D.; Dowling, Thomas E.; AND Minckley, W. L.

1993 11.910 Post-perturbation genetic changes in populations of endangered Virgin River chubs. *Conservation Biology*, 7(2) (June): 334-341.

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Denton, Joan E., AND Yousef, M. K.

1975 11.13699 Seasonal changes in hematology of rainbow trout, *Salmo gairdneri*. *Comparative Biochemistry and Physiology* (Part A, Physiology), 51A: 151-153.

► Fish obtained from Willow Beach National Fish Hatchery.

Dettmers, John M.; DeVries, Dennis R.; AND Stein, Roy A.

1996 11.11937 Quantifying responses to hybrid striped bass predation across multiple trophic levels: Implications for reservoir biomanipulation. *American Fisheries Society, Transactions*, 125(4) (July): 491-504.

► Published studies referred to for this study include Lake Mead.

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deVos, James C., Jr. [deVos, Jim]

1988 19.553 Trout at Lee's Ferry. *Wildlife Views*, (September): 21.

1991 19.554 Tributary use by fish in Grand Canyon, Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 29.

deVos, James C., Jr.; Maddux, Henry R.; AND Kubly, Dennis M.

1987 19.555 Use of tributaries by native and introduced fish within Glen and Grand Canyon[,] Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 22 (1987 Proceedings Supplement): 24-25.

Dibble, Kimberly L.; Yackulic, Charles B.; Bestgen, Kevin R.; Gido, Keith; Jones, M. Tildon; McKinstry, Mark C.; Osmundson, Doug B.; Ryden, Dale; AND Schelly, Robert C.

2023 19.6848 Assessment of potential recovery viability for Colorado pikeminnow *Ptychocheilus lucius* in the Colorado River in Grand Canyon. *Journal of Fish and Wildlife Management*, 14(1): 239-268.

Dibble, Kimberly L.; Yackulic, Charles B.; AND Kennedy, Theodore A.

2015 19.4849 Using bioenergetic models to determine how water temperature and food consumption influence *Oncorhynchus mykiss* and *Salmo trutta* growth in western U.S. tailwaters [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 23.

2017 19.5838 Drought may facilitate the recovery of natural temperature regimes downriver of dams across the western U.S., but such changes may not favor native fish species [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 45-46.

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2018 19.5892 Warm water temperatures and shifts in seasonality increase trout recruitment but only moderately decrease adult size in western North American tailwaters. *Environmental Biology of Fishes*, 101(8) (August): 1269-1283.

► Refer also to data sets online: "The influence of water temperature on salmonid recruitment and adult size in tailwaters across western North America—Data": U.S. Geological Survey Data Release, https://doi.org/10.5066/F72806SS.

Dibble, Kimberly L.; Yackulic, Charles B.; Kennedy, Theodore A.; Budy, Phaedra; AND Korman, Josh

2013 19.5425 What can we learn from other tailwaters? A synthesis of data on salmonid population dynamics and dam operations across the western United States [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 53.

Didenko, Alexander V.; Bonar, Scott A.; AND Matter, William J.

2004 19.3100 Standard weight (W_s) equations for four rare desert fishes. *North American Journal of Fisheries Management*, 24(2): 697-703.

► Flannelmouth sucker, *Catostomus latipinnis*; razorback sucker, *Xyrauchen texanus*; roundtail chub, *Gila robusta*; humpback chub, *G. cypha*.

Dill, W. A.

1944 11.232 The fishery of the lower Colorado River. *California Fish and Game*, 30(3): 109-211.

Dodrill, Michael James

2012 19.4898 *Habitat relationships of small bodied fish in the Grand Canyon reach of the Colorado River, Arizona: Emphasis on native fish and evaluation of backwater habitats.* Master's thesis, University of Florida, 106 pp.

Dodrill, Michael J.; Yackulic, Charles B.; Gerig, Brandon; Pine, William E., III; Korman, Josh; AND Finch, Colton

2015 19.4663 Do management actions to restore rare habitat benefit native fish conservation? Distribution of juvenile native fish among shoreline habitats of the Colorado River. *River Research and Applications*, doi:10.1002/rra/2842.

Dodrill, Michael J.; Yackulic, Charles B.; AND Kennedy, Theodore A.

2015 19.4850 Prey size and availability limits maximum size of rainbow trout in a large tailwater: insights from a drift-foraging bioenergetics model [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 24.

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Doelker, Al

1996 11.1469 *Lake Havasu Fisheries Improvement Program : Native Fish Management Plan : annual progress report for 1995.* [No place]: U.S. Bureau of Land Management, Havasu Resource Area, *for* Arizona Game and Fish Department, 75 pp.

1998 11.1470 *Lake Havasu Native Fish Management Program : 1996 and 1997 project report.* [No place]: U.S. Bureau of Land Management, *for* Arizona Game and Fish Department, 229 pp.

Dongoske, Kurt E.; Pasqual, Theresa; AND King, Thomas F.

2015 19.5472 The National Environmental Policy Act (NEPA) and the silencing of Native American worldviews. *Environmental Practice*, 17(1) (March): 36-45.

► See p. 41, regarding mechanical removal of rainbow trout and brown trout from Colorado River in Grand Canyon, to reduce predation and competition with humpback chub.

Donner, Kevin C.

2011 19.6582 *Trophic basis of production of fishes in the Colorado River, Grand Canyon: An assessment of potential competition for food.* Master's thesis, Idaho State University.

Donner, Kevin C.; Baxter, Colden V.; Seegert, Sarah Z.; Rosi-Marshall, Emma J.; Kincaid, Dustin; Kennedy, Theodore A.; Cross, Wyatt F.; Rogers, R. S.; AND Hall, Robert O., Jr.

2010 19.4606 Quality matters: Low diversity of high quality food items may amplify potential for competition between native and non-native fishes in a large regulated river [ABSTRACT]. *In: Aquatic Sciences: Global Changes from the Center to the Edge : abstract book, 2010 Summer Meeting, Joint Meeting with ASLO and NABS, 6-11 June 2010, Santa Fe, NM, USA*, p. 63.

► Colorado River in Grand Canyon. Association for the Sciences of Limnology and Oceanography. North American Benthological Society.

Donovan, Pierce, AND Springborn, Michael R.

2019 19.6202 Maintaining the long-term viability of the humpback chub in the Grand Canyon. *ARE Update* (University of California at Davis, Giannini Foundation of Agricultural Economics), 22(5) (May/June): 5-8.

Donovan, Pierce; Bair, Lucas S.; Yackulic, Charles B.; AND Springborn, Michael R.

2019 19.6204 Safety in numbers: Cost-effective endangered species management for viable populations. *Land Economics*, 95(3): 435-453.

► Humpback chub and rainbow trout in the area of the Little Colorado River confluence.

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Douglas, Marlis R., AND Douglas, Michael E.

1996 19.6076 Ontogenetic allometry in the endangered cyprinid fish, *Gila cypha* [ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 32. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

► Humpback chub; including Little Colorado River confluence.

2000 19.1963 Late season reproduction by big-river Catostomidae in Grand Canyon (Arizona). *Copeia*, 2000(1) (February): 238-244.

2005 19.2549 Conservation genetics of *Gila cypha*: Shallow history [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 67.

► For "deep history" see Douglas, Michael E., and Douglas, Marlis R., ITEM NO. 19.2550.

2007 19.3134 *Genetic structure of humpback chub* Gila cypha *and roundtail chub* G. robusta *in the Colorado River ecosystem. Final report.* Fort Collins, Colorado: Colorado State University, Department of Fish, Wildlife and Conservation Biology, SEPARATELY PAGINATED SECTIONS [99 pp. total].

2010 19.3720 Genetic characterization of an admixed species complex as adaptive management tool [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 9.

2010 19.4111 Molecular approaches to stream fish ecology. *In:* Gido, Keith B., and Jackson, Donald A. (eds.), Community ecology of stream fishes. *American Fisheries Society, Symposium 73*, pp. 157-195.

Douglas, Marlis R.; Brunner, Patrick C.; AND Douglas, Michael E.

2001 11.8323 Post-Pleistocene drought in western North America: Did it force Colorado River flannelmouth sucker (*Catostomus latipinnis*) through a genetic bottleneck? [ABSTRACT]. *In: Symposium on the Role of Drought in Aquatic Ecosystems, Albury Convention and Performing Arts Centre, Albury, NSW, Australia, February 12-14, 2001*, p. 26.

2003 11.1125 Drought in an evolutionary context: Molecular variability in flannelmouth sucker (*Catostomus latipinnis*) from the Colorado River basin of western North America. *Freshwater Biology*, 48(7): 1254-1273.

2005 11.2063 Drought in an evolutionary context: Molecular variability in flannelmouth sucker, *Catostomus latipinnis*, in the Colorado River basin. Las sequías en un contexto evolutivo: Variabilidad molecular en el matalote boca de franela, *Catostomus latipinnis*, en la cuenca del Río Colorado [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 27-28. [In English and Spanish.]

Douglas, Marlis R.; Douglas, Michael E.; AND Hopken, Matthew W.

2009 19.3993 *Population genetic analysis of bluehead sucker (*Catostomus (Pantosteus) discubolus*) across the species' range.* Champaign, Illinois: University of Illinois Champaign/Urbana, Institute of Resource Sustainability, Illinois Natural History

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Survey, 69 pp. (U.S. National Park Service contract H1200040001 CSURM-79; CSU Contract 5-31781.

► Grand Canyon noted throughout; see particularly "Bluehead Sucker in Grand Canyon", pp. 31-32.

Douglas, Michael E.

1993 19.3128 An analysis of sexual dimorphism in an endangered cyprinid fish *(Gila cypha* Miller) using video image technology. *Copeia*, 1993: 334-343.

1999 19.4473 Long-term effects of dam removal on aquatic diversity of the Colorado River [ABSTRACT]. Efectos a largo plazo de quitar presas para la diversidad acuática del Río Colorado [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 61-62. [In English and Spanish.]

Douglas, Michael E., AND Douglas, Marlis R.

2005 19.2550 Conservation genetics of *Gila cypha*: Deep history [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 67.

► For "shallow history" see Douglas, Marlis R., and Douglas, Michael E., ITEM NO. 19.2549.

2001 11.8324 Post-Pleistocene drought at the community level: Molecular evidence from endemic Colorado River fishes in western North America [ABSTRACT]. *In: Symposium on the Role of Drought in Aquatic Ecosystems, Albury Convention and Performing Arts Centre, Albury, NSW, Australia, February 12-14, 2001*, p. 27.

Douglas, Michael E., AND Marsh, Paul C.

1993 19.566 Monthly population estimates of endangered humpback chub (*Gila cypha*) in the Little Colorado River of AZ [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 65-66. [In English and Spanish.]

1996 19.567 Population estimates/population movements of *Gila cypha*, an endangered cyprinid fish in the Grand Canyon region of Arizona. *Copeia*, 1996(1): 15-28.

1996 19.3157 (EDS.) *Ecology and conservation biology of humpback chub (*Gila cypha*) in the Little Colorado River.* Salt Lake City: U.S. Bureau of Reclamation.

1996 19.3158 *Endangered humpback chub (*Gila cypha*) as prey of introduced fishes in the Little Colorado River, Arizona. In:* Douglas, Michael E., and Marsh, Paul C. (eds.), *Ecology and conservation biology of humpback chub (*Gila cypha*) in the Little Colorado River.* Salt Lake City: U.S. Bureau of Reclamation, Section 2.

1996 19.3139 Survivability of an endangered species (Gila cypha) within the Grand Canyon region of Arizona. *In:* Douglas, Michael E., and Marsh, Paul C. (eds.), *Ecology and conservation biology of humpback chub (*Gila cypha*) in the Little Colorado River.* Salt Lake City: U.S. Bureau of Reclamation, Section 4.

1996 19.6077 Seasonal and yearly population estimates for *Catosmus latipinnis* and *Pantosteus discobolus* (Teleostei, Catostomidae) in the Grand Canyon region of Arizona

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[ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 33. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

1998 19.568 Population and survival estimates of *Catostomus latipinnis* in northern Grand Canyon, with distribution and abundance of hybrids with *Xyrauchen texanus*. *Copeia*, 1998(4) (December 30): 915-925.

► Study area in Little Colorado River and its confluence with the Colorado River.

Douglas, Michael E.; Douglas, Marlis R.; AND Hopken, Matthew W.

2010 19.3718 Riverscape genetics: A management tool for long-lived Colorado River fishes [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 8.

Douglas, Michael E.; Minckley, W. L.; AND Tyus, H. M.

1989 19.3132 Qualitative characters, chubs of the genus *Gila* (Pisces: Cyprinidae) and the "art of seeing well". *Copeia*, 1989: 653-662.

1998 19.3133 Multivariate discrimination of Colorado Plateau *Gila* spp.: the art of seeing well revisited. *American Fisheries Society, Transactions*, 127: 163-173.

Dowling, Thomas E., AND Marsh, Paul C.

2010 11.4588 *Razorback sucker genetic diversity assessment—Interim report.* Tempe, Arizona: Arizona State University, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 13 pp. (Agreement No. 09FG3000001.)

Dowling, Thomas E., AND Minckley, W. L.

1993 11.18949 Mitochondrial DNA diversity within and among populations of the razorback sucker, *Xyrauchen texanus* / Diversidad del ADN mitocondrial dentro y entre poblaciones del matalote jorobado *Xyrauchen texanus* [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 64. [In English and Spanish.]

Dowling, Thomas E.; Corush, Joel B.; AND Krabbenhoft, Trevor J.

2019 11.16593 *Development of SNP markers for sex determination, parentage assessment, and population genetics of razorback suckers : 2018 annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 13 pp. [SNP: Single nucleotide polymorphism.]

Dowling, Thomas E.; Marsh, Paul C.; Kelsen, Anne T.; AND Tibbets, C. Alana

2005 11.2064 Genetic monitoring and repatriation of razorback sucker, *Xyrauchen texanus*, in Lake Mohave. Monitoreo genético y repatriación del matalote jorobado, *Xyrauchen texanus*, en el Lago Mohave [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 28-29. [In English and Spanish.]

2005 11.12850 Genetic monitoring of wild and repatriated populations of endangered razorback sucker (*Xyrauchen texanus*, Catostomidae, Teleostei) in Lake Mohave, Arizona-Nevada. *Molecular Ecology*, 14: 123-135.

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Dowling, Thomas E.; Marsh, Paul C.; AND Turner, Thomas F.

2011 11.4600 *Genetic and demographic studies to guide conservation management of bonytail and razorback sucker in off-channel habitats.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 9 pp.

2012 11.4589 *RASU genetic diversity assessment.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 12 pp. [RASU: razorback sucker.]

2020 11.18464 *Razorback sucker genetic diversity assessment : 2016 annual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 27 pp.

Dowling, Thomas E.; Minckley, W. L.; Marsh, Paul C.; AND Goldstein, Elliott S.

1996 11.17550 Mitochondrial DNA variability in the endangered razorback sucker (*Xyrauchen texanus*): Analysis of hatchery stocks and implications for captive propagation. *Conservation Biology*, 10(1) (February): 120-127.

► Broodstock obtained in 1981-1982 from Lake Mohave.

Dowling, Thomas E.; Saltzgiver, Melody J.; Adams, Deborah; AND Marsh, Paul C.

2012 11.15793 Genetic variability in a recruiting population of endangered razorback suckers from Lake Mead, Arizona-Nevada. *American Fisheries Society, Transactions*, 141(4) (July): 990-999.

Dowling, Thomas E.; Tibbets, C. Alana; Minckley, W. L.; AND Smith, G. R.

2002 11.1065 Evolutionary relationships of the plagopterins (Teleostei: Cyprinidae) from cytochrome B sequences. *Copeia*, 2002(3): 665-678.

Dowling, Thomas E.; Turner, Thomas F.; Carson, Evan W.; Saltzgiver, Melody J.; Adams, Deborah; Kesner, Brian; AND Marsh, Paul C.

2014 11.6865 Time-series analysis reveals genetic responses to intensive management of razorback sucker (*Xyrauchen texanus*). *Evolutionary Applications*, 7(3) (March): 339-354.

► Lake Mohave.

Doyle, Robert N.

1954 11.5821 Oddity no rarity. *In:* Letters [SECTION]. *Desert Magazine*, 17(7) (July): 27.

► Letter in reponse to news item in May issue (see Anonymous, 1954, ITEM NO. 11.5820) regarding the catch of a bony tail minnow in the Colorado River below the Blythe Weir. The author reports having caught and eaten these fish when a child in Needles, California, around 1910. He also notes, "It was about this same time that I remember the last of the paddlewheelers on the river. The old smelter was then in operation and run by a man named Godshall." He also notes that "We used to watch it [the river] in terror at it undercut its banks and swallowed house after house in swollen fury."

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Dreyer, Richard, AND Persons, William R.

1986 11.11935 Review of potential forage fish introductions for Lake Mead. *Arizona Game and Fish Department, D. J. Report F-14-R-1*, 32 pp.

► Dingell-Johnson Act Report; refers to the Federal Aid in Sport Fish Restoration Act of 1950.

Drill, S. L.

1994 11.10349 A genetic analysis of artificial propagation of the endangered razorback sucker, *Xyrauchen texanus* [ABSTRACT]. Análisis genético de propagación artificial del matalote jorobado, especie en peligro *Xyrauchen texanus* [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 31. [In English and Spanish.]

► Stock sources from Lake Mohave in 1981 and 1982.

Dunham, Jason B.

1993 11.16286 Evolutionary genetics of natural and refugia populations of desert pupfish *Cyprinodon macularius* / Genética evolutiva de poblaciones naturales y de refugio del pez cachorrito del desierto *Cyprinodon macularius* [ABSTRACT]. *In:* Hendrickson, Dean A. (ed.), 1992 Annual Symposium, 18 to 21 November, Mesa, Arizona. *Desert Fishes Council, Proceedings*, 24: 29-30. [In English and Spanish.]

► Four natural and nine artificial refugia populations in Colorado River Delta, Sonora, and Salton Sea, California.

Dunham, Jason B., AND Minckley, W. L.

1998 11.4166 Allozymic variation in desert pupfish from natural and artificial habitats: Genetic conservation in fluctuating populations. *Biological Conservation*, 84: 7-15.

► Historic range indicated between Salton Sea and Colorado River delta.

Dzul, Maria C., AND Yackulic, Charles B.

2015 19.4851 Using environmental covariates to predict growth in two contrasting environments: a growth assessment of an endangered desert fish [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 27.

2018 19.5744 Abundance and growth of age 0 humpback chub in the Little Colorado River, AZ [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 29-30. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

2022 19.6828 Effects of flow, sediment, and non-native fishes on age-0 population dynamics of humpback chub in the lower Little Colorado River [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest*

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Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona, pp. 46-47.

Dzul, Maria C.; Yackulic, Charles B.; Giardina, Mariah; Van Haverbeke, David R.; AND Yard, Michael

2023 19.6849 Vital rates of a burgeoning population of humpback chub in western Grand Canyon. *American Fisheries Society, Transactions*, 152(4): 443-459 + Supplementary Information online (Supplements A-E)

Dzul, Maria C.; Yackulic, Charles B.; AND Korman, Josh

2017 19.5841 Combining continuous remote detections with traditional sampling to estimate the migratory flux of fish between a main river and a tributary [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 51.

► Colorado River and Little Colorado River.

2017 19.5880 Estimating disperser abundance using open population models that incorporate data form continuous detection passive integrated transponder arrays. *Canadian Journal of Fisheries and Aquatic Sciences*, doi:10.1139/cjfas-2017-0304 + Supplemental data online.

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Dzul, Maria C.; Yackulic, Charles B.; Stone, Dennis M.; AND Van Haverbeke, David R.

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Eagles-Smith, Collin A.; Willacker, James J., Jr., AND Flanagan Pritz, Colleen M.

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Echelle, Anthony A.; Van Den Bussche, Ronald A.; Malloy, Terrence P., Jr.; Haynie, Michelle L.; AND Minckley, C. O.

2000 11.12394 Mitochondrial DNA variation in pupfishes assigned to the species *Cyprinodon macularius* (Atherinomorpha: Cyprinodontidae): Taxonomic implications and conservation genetics. *Copeia*, 2000(2): 353-364.

▶ Salton Sea and Colorado River delta regions.

Echelle, Anthony A.; Van Den Bussche, Ronald A.; Minckley, C. O.; Malloy, Terrence P., Jr.; AND Marsh, Paul C.

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Edwards, Gary Bruce

1974 11.6818 *Biology of the striped bass,* Morone saxatilis *(Walbaum), in the lower Colorado River (Arizona-California-Nevada).* Master's thesis, Arizona State University, 46 pp.

Ehlo, Chase A.

2018 11.16000 Post-stocking fate of razorback sucker in Topock Marsh, AZ [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, pp. [63]-[64].

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Eigenmann, Carl H., AND Eigenmann, Rosa S.

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► See also Orcutt (1888, ITEM NO. 11.587).

Ember, Kathi

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► See "Save the chub!" (humpback chub).

Encinas Rivera, Yessenia Moncerrath

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► See "The Colorado River: Native Fishes", p. 6.

Engel, James M.

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Eppehimer, Drew, AND Yackulic, Charles

2024 19.6999 Modeling impacts of different reservoir management scenarios on smallmouth bass (*Micropterus dolomieu*) entrainment and population growth rates. *In:* Yackulic, Charles B., *et al.*, *Modeling the impacts of Glen Canyon Dam operations on Colorado River resources : prepared in cooperation with the U.S. Geological Survey as part of Interagency Agreement R24PG00010 (USBR)—NEPA Modeling Project.* Flagstaff, Arizona: U.S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, pp. 72-83. [NEPA: National Environmental Policy Act.]

Eppehimer, D. E.; Yackulic, C. B.; Bruckerhoff, L. A.; Wang, J.; Young, K. L.; Bestgen, K. R.; AND Schmidt, J. C.

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Espinosa, F. A.; Deacon, J. E.; AND Simmons, A.

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Espinosa Pérez, Héctor; Gaspar Dillanes, Ma. Teresa; AND Fuentes Mata, Patricia

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1931 11.11762 A distributional list of the species of freshwater fishes known to occur in California. *California Department of Fish and Game, Fish Bulletin 35*, 67 pp.

Evermann, Barton Warren, AND Rutter, Cloud

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Felker, Debbie; McIntyre, Julie; Burke, Tom; AND Czapla, Tom

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Fencl, Jane S.; Kesner, Brian; Ley, Guillermo; AND Marsh, Paul C.

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2001 19.2892 Temperature effects on growth of juvenile humpback chubs [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 53. [Also in Spanish.]

Finch, Colton

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▶ Lower Colorado River Multi-Species Conservation Program.

Fisher, Jess

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▶ Regarding lower Colorado River fishing; with editorial reply.

Fisher, Tom

2007 19.4024 Fishing the Colorado River in Winter. *The Buffer* (Buckeye United Fly Fishers, Cincinnati, Ohio), 31(3) (March): 3.

▶ Lees Ferry.

Follmuth, Ryan D.

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Fontdevila, Antonio

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▶ See p. 86, remarks on fish of the genus *Gila* in the Virgin River.

Foster, Fred J.

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Fowler, Henry W.

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▶ See pp. 54-55.

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1944	11.5124	The fishes. *In:* Results of the Fifth George Vanderbilt Expedition (1941) (Bahamas, Caribbean Sea, Panama, Galápagos Archipelago and Mexican Pacific islands). *Academy of Natural Sciences of Philadelphia, Monograph 6*, pp. 57-530. ▶ See: *Pomadasys panamensis* (Steindachner, 1875), pp. 176-177, figure 194 [p. 324] *Rencus panamensis* Breder (1936) in synonymy, Rio Colorado, Mexico, locale noted *Cynoscion reticulatus* (Günther, 1864), pp. 38-381, figure 202 [p. 339] *Eriscion reticulatus* Breder (1936) in synonymy, Rio Colorado, Mexico, locale noted.

Frampton, George T., Jr.

1995	11.17075	Endangered and Threatened wildlife and plants; Proposed determination of critical habitat for woundfind, Virgin River chub, and Virgin spinedace and notice of public hearing. *Federal Register*, 60(65) (April 5): 17296-17311. ▶ Virgin River spinedace.

Franklin, Wes

2024	11.19556	Documenting native desert fish communities in the American Southwest. *Tributary* (American Fisheries Society, Western Division), 48(4) (Winter): 13. ▶ Includes remarks on "plan to create a short film for a Razorback Sucker PIT scanning project we lead on Lake Mohave".

Franson, J. Christian

2008	19.3061	Identifying roadblocks to recovery. *Endangered Species Bulletin*, (Fall): 50-53. ▶ See "Humpback chub (*Gila cypha*) surveys", p. 52.

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Gamble, Terry; Bagley, Brian; AND Morgensen, Sue

1991	19.621	Rainbow trout growth in the Lee's Ferry reach of the Colorado River, 1980-1990 [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 30-31.

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Garrigan, D.; Marsh, P. C.; AND Dowling, T. E.

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Gerber, A. S.; Tibbets, C. A.; AND Dowling, T. E.

2001 11.981 The role of introgressive hybridization in the evolution of the *Gila robusta* complex (Teleostei: Cyprinidae). *Evolution*, 55(10): 2028-2039.

Gerig, Brandon

2012 19.3908 *Site occupancy and habitat selection of endangered humpback chub during experimental flow realeases from Glen Canyon Dam in the Colorado River in Grand Canyon, Arizona.* Master's thesis, University of Florida, 89 pp.

Gerig, Brandon; Dodrill, Michael J.; AND Pine, William E., III

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Gerstenberger, Shawn L., AND Eccleston, B.

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Ghiglieri, Michael P.

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Gilbert, Charles H., AND Scofield, Norman Bishop

1898 11.3310 Notes on a collection of fishes from the Colorado basin in Arizona. *U.S. National Museum, Proceedings*, 20: 487-499, Plates 36-39.

Girard, Charles

1856 11.294 Researches upon cyprinoid fishes of the fresh waters of the United States of America, west of the Mississippi Valley, from specimens in the museum of the Smithsonian Institution. *Academy of Natural Sciences of Philadelphia, Proceedings*, 8: 165-213.

1859 11.4471 *Ichthyology of the boundary. From: Zoology of the boundary. In: Emory, William H., Report on the United States and Mexican boundary survey, made under the direction of the Secretary of the Interior . . . . Volume II.* Washington, D.C.: A. P. P. Nicholson, 85 pp., 41 plates. (Volume: *U.S. 34th Congress, 1st Session, Senate Executive Document 108, Part II.*)

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2010 19.4626 *Current status of resources in the Grand Canyon.* [No place]: Glen Canyon Dam Adaptive Management Program, [3] pp. [Fact sheet.]

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Gloss, Steven P.; Rinne, William; Luecke, Daniel F.; Gillon, Kara; Pitts, Tom; AND Karas, Christine

2002 19.6567 Is Enough Being Done to Save Endangered Species on the River? [PANEL]. (Steven P. Gloss, moderator.) *In: Colorado River Symposium : Coming to Consensus: Sharing the Colorado River.* Sacramento, California: Water Education Foundation, pp. 72-85. [Panelists are listed in the order in which they first speak; their remarks interject thereafter.] [Volume information: Sue McClurg, ed.; transcript by Cooksey-Simmons, LLC. Cover title: *January 30-February 1, 2002 : Colorado River Project : symposium*

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Golden, Michael E., AND Holden, Paul B.

2002 11.15831 *Comparison of water quality, zooplankton density, and cover in razorback sucker (*Xyrauchen texanus *[Abbott]) spawning areas of Lake Mead and Lake Mohave : 2001 annual report.* Logan, Utah: BIO-WEST, Inc., *for* Southern Nevada Water Authority, Las Vegas, 37 pp. (PR-784-2.)

2005 11.6377 *Fisheries survey of the Virgin River from Halfway Wash to Lake Mead : final report.* Logan, Utah: BIO-WEST, Inc., *for* Southern Nevada Water Authority, Las Vegas, 36 pp. (PR 988.)

Goldfarb, Ben

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► Notes Grand Canyon, p. 46; Bright Angel Creek, p. 49; Lees Ferry fishery, pp. 48, 52.

2023 19.6805 River of bass; as Lake Powell shrinks, smallmouth bass are threatening the Grand Canyon's native fishes. *High Country News*, 55(10) (October): 2, 12-15.

Goodbred, Steven L.; Leiker, Thomas J.; Patiño, Reynaldo; Jenkins, Jill A.; Denslow, Nancy D.; Orsak, Erik; AND Rosen, Michael R.

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Goodbred, Steven L.; Patiño, Reynaldo; Alvarez, David A.; Johnson, Darren; Hannoun, Deena; Echols, Kathy R.; AND Jenkins, Jill A.

2013 11.19505 Fish health altered by contaminants and lower water temperatures compounded by prolonged regional drought in the Lower Colorado River Basin, USA. *Toxics* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 12 (708) (https://doi.org/10.3390/toxics12100708), 29 pp.

► Sampling sites and deployment of semipermeable membrane device samplers at Clark County wastewater treratment plants, and (in Lake Mead National Recreation Area) Boulder Basin (Las Vegas Wash confluence), Overton Arm (downstream from Virgin River-Muddy River confluence), and Willow Beach fish hatchery area (one site at the hatchery and two sites each up-and downstream).

Goodbred, Steven L.; Patiño, Reynaldo; Orsak, Erik; Sharma, Prakash; AND Ruessler, Shane

2013 11.15794 Potential for bias in using hybrids between common carp (*Cyprinus carpio*) and goldfish (*Carassius auratus*) in endocrine studies: A first report of hybrids in Lake Mead, Nevada, U.S.A. *American Midland Naturalist*, 169(2) (April): 426-431.

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2012 11.3044 Has fish health in Lake Mead improved since 1995? [ABSTRACT]. *In: 2012 Lake Mead Symposium.* Reno: Nevada Water Resources Association, p. 23. (Document running title: *2012 Lake Mead Symposium, Tuscany Suites and Casino, Las Vegas, Nevada, March 5-6, 2012*.)

Goodbred, Steven L.; Patiño, Reynaldo; Torres, Leticia; Echols, Kathy R.; Jenkins, Jill A.; Rosen, Michael R.; AND Orsak, Erik

2015 11.8429 Are endocrine and reproductive biomarkers altered in contaminant-exposed wild male Largemouth Bass (*Micropterus salmoides*) of Lake Mead, Nevada/Arizona, USA? *General and Comparative Endocrinology*, 219 (August 1): 125-135.

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1995 19.641 *Life history and ecology of the humpback chub (*Gila cypha*) in the Colorado River, Grand Canyon, Arizona. Supplement No. VI: Flow routing model : A simple method for estimating stream discharge on the Colorado River below Glen Canyon Dam.* Salt Lake City: U.S. Bureau of Reclamation, and Flagstaff, Arizona: Glen Canyon Environmental Studies. Report to U.S. Bureau of Reclamation, Salt Lake City, 4 pp. [Title-page erroneously gives supplement number as "IV"; correct on cover-sheet.]

Gorman, Owen T.

1994 19.642 (PROJECT LEADER) *Habitat use by humpback chub,* Gila cypha*, in the Little Colorado River and other tributaries of the Colorado River : GCES Phase II annual report for 1993 studies.* U.S. Fish and Wildlife Service, Arizona Fishery Resources Office, 129 pp.

1995 19.3142 Habitat use by the endangered humpback chub (*Gila cypha*) in the Little Colorado River, Grand Canyon [ABSTRACT]. *Ecological Society of America, Bulletin*, 76(Supplement 3): 333.

1999 11.11771 Activities at Willow Beach National Fish Hatchery. *In:* Gorman, Owen T., and Bramblett, Robert G., *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, p. 27.

Gorman, Owen T., AND Bramblett, Robert G.

1999 19.2095 (PROJECT LEADER; ASSISTANT PROJECT LEADER) *Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon, Arizona : interim report : Interagency Acquisition No. 98-AA-40-0040 : FY 1998.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Grand Canyon Fisheries Resources Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, and U.S. Bureau of Reclamation, Upper Colorado Region, Salt Lake City, Utah, 80 pp.

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Gorman, Owen T., AND Seals, John M.

1994 19.643 Habitat use by the endangered humpback chub (*Gila cypha*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 19.

1994 19.5037 Habitat use by the endangered humpback chub (*Gila cypha*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. Uso del hábitat por el charal jorobado (*Gila cypha*), especie en peligro de extinctión, en el Little Colorado River (Pequeño Río Colorado), Arizona, cerca del Gran Cañón [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 54-55. [In English and Spanish.]

Gorman, Owen T., AND Stone, Dennis M.

1999 19.1932 Ecology of spawning humpback chub, *Gila cypha*, in the Little Colorado River near Grand Canyon, Arizona. *Environmental Biology of Fishes*, 55(1/2): 115-133.

Gorman, Owen T., AND VanHoosen, Richard R.

2000 11.4858 *Experimental growth of four native Colorado River fishes at temperatures of 12, 18, and 24°C.* Ashland, Wisconsin: U.S. Geological Survey, Great Lakes Science Center; and Willow Beach, Arizona: U.S. Fish and Wildlife Service, Willow Beach National Fish Hatchery; *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 26 [35] pp.

Gorman, Owen T.; Bramblett, R. G.; Hervin, R. M.; Van Haverbeke, D. R.; AND Stone, Dennis M.

2005 19.3140 Distribution and abundance of native and non-native fishes of the Colorado River ecosystem in Grand Canyon, Arizona. *In: Proceedings of two symposia: Restoring Native Fish to the Lower Colorado River: interaction of native and non-native fishes, July 14-14, 1999, Las Vegas, Nevada.* Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Southwest Region, pp. 78-94.

Gorman, Owen T.; Bramblett, R. G.; Hervin, R. M.; Van Haverbeke, D. R.; Stone, Dennis M.; AND Van Hoosen, R. R.

1999 19.4477 Monitoring and studies of native fishes of the Colorado River ecosystem in Grand Canyon: 1998-1999 program [ABSTRACT]. Monitoreo y estudios de los peces nativos del ecosistema del Río Colorado en al Gran Cañón: programa 1998-1999 [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 14-16. [In English and Spanish.]

Gorman, Owen T.; Leon, Stuart C.; AND Maughan, O. Eugene

1993 19.644 Habitat use by humpback chub, *Gila cypha*, in the Little Colorado River and other tributaries of the Colorado River [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 20-21. [In English and Spanish.]

Gorman, Owen T.; Stone, Dennis M.; Zdinak, Zackery M.; AND Meretsky, Vicky J.

1995 19.3143 Habitat use by the endangered humpback chub (*Gila cypha*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 26: 53.

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1996 19.6078 Habitat use by the endangered humpback chub (*Gila cypha*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 39-40. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

Gosse, Jeffrey C., AND Gosse, Janlyn C.

1985 19.646 *Microhabitat of trout in tailwaters below western dams. Volume I. Narrative report.* Submitted to U.S. Bureau of Reclamation, contract no. 3-CS-40-00770. Logan, Utah: Aqua-Tech, 137 pp.

1985 19.647 *Microhabitat of trout in tailwaters below western dams. Volume II.* Submitted to U.S. Bureau of Reclamation, contract no. 3-CS-40-00770. Logan, Utah: Aqua-Tech, 111 pp.

Goulet, C. T., AND LaGory, K. E.

2009 19.3092 *Annotated bibliography for the humpback chub (*Gila cypha*) with emphasis on the Grand Canyon population.* Argonne, Illinois: Environmental Science Division, Argonne National Laboratory, *for* Western Area Power Administration, Colorado River Storage Project Management Center, Salt Lake City, Utah, 236 pp. (ANL/EVS/R-09/2.)

Grabowski, Stephen J.; Hiebert, Steven D.; AND Lieberman, Davine M.

1984 11.6348 *Potential for introduction of three species of nonnative fishes into central Arizona via the Central Arizona Project—A literature review and analysis.* Denver: U.S. Bureau of Reclamation, Applied Sciences Branch, Division of Research and Laboratory Services, Engineering and Research Center, 124 pp. (REC-ERC-84-7.)

Graham, Bob

2007 19.4022 Spring in Lee's Ferry. *Target Talk* (Long Beach Casting Club, Long Beach, California), (May): 8-11.

► Fly fishing.

Greenburg, David L.

1999 19.688 *An analysis of genetic variation in Little Colorado spinedace (*Lepidomeda vittata*) using amplified fragment length polymorphic markers.* Master's thesis, Northern Arizona University, 66 pp.

Guerin, Emily

2012 19.3710 Followup. *In:* The Latest [SECTION]. *High Country News*, 44(19) (November 12): 7.

► Razorback sucker caught in Grand Canyon National Park, 50 miles from Lake Mead, the first found in the park in 20 years. Specific locality not identified.

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2011 19.3557 *Tracking each fish: Humpback chub reintroductions and PIT-tag technology.* Washington, D.C.: Cooperative Ecosystem Studies Units, 2 pp. [Passive Integrated Transponder.]

Guevara Escamilla, Sergio Ramon

1974 11.1445 *Ecología de peces del alto Golfo de California y delta del Río Colorado.* Thesis, Universidad Autonóma de Baja California, 57 pp. [In Spanish.]

Gunn, Terry

2001 19.3774 Terry Gunn: Lees Ferry Anglers owner and guide. *In:* Henry, Alex S., Colorado's sightfishing mecca. *The Western Flyfisher*, (June): 11. [Quotation sidebar.]

2010 19.3793 Fly of the month. *Sespe Fly Fishers* (Sespe Flyfishers, Ventura, California), 35(6) (June): [6].

► Fishing lures. Zebra midge, originated by Ted Welling; and Lees Ferry Scud, originated by Len Holt.

Gunn, Terry, AND Gunn, Wendy

2013 19.5146 *50 best tailwaters to fly fish.* (Foreword by Lefty Kreh.) Bloomington, Indiana: Stonefly Press, 254 pp.

► See "Lees Ferry (Colorado River, Northern Arizona)", cover, pp. 2-5.

2016 19.5154 *25 best national parks to fly fish.* (Foreword by Jonathan B. Jarvis.) West Palm Beach, Florida: Stonefly Press, 269 [271] pp. [See "Grand Canyon National Park", pp. 98-105.

► Includes the Lees Ferry fishery.

Gunn, Terry, AND Rice, Will

2009 19.4021 [Terry Gunn interview.] *In:* They said it: [SECTION]. *Angling Trade* (Boulder, Colorado), (March): 26.

► Gunn is owner of Lees Ferry Angles Guides and Fly Shop and Cliff Dwellers Lodge.

Gurtin, S. D., AND Bradford, R.

2000 11.2062 Habitat use and associated habitat characteristics used by hatchery-reared adult razorback suckers, *Xyrauchen texanus*, released into the Imperial Division, lower Colorado River, California-Arizona: Phase III preliminary analyses. / Uso de hábitat y características relacionadas, de los hábitats usados por adultos cultivados de matalotes jorobado, *Xyrauchen texanus*, liberados en División Imperial, bajo Río Colorado, California-Arizona: análisis preliminares de la Fase III [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 52-53. [In English and Spanish.]

2001 11.1501 Habitat characteristics used by razorback suckers released into the Imperial Division, lower Colorado River, California-Arizona; Phase III synopsis and overview of Phase IV [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 4-5. [Also in Spanish.]

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Gurtin, S. D.; Slaughter, J. E.; Sampson, S. J.; AND Bradford, R. H.

2003 11.1334 Use of existing and reconnected backwater habitats by hatchery-reared adult razorback suckers: A predictive model for the Imperial Division, lower Colorado River. *American Fisheries Society, Transactions*, 132(6): 1125-1137.

Gustaveson, Wayne, AND Blommer, Georg

2012 11.6356 History of striped bass management in the Colorado River. *American Fisheries Society, Symposium 79*, 9 pp.

H

Haas, Sarah K.; Healy, B. D.; Schelly, R. C.; Koller, R. C.; AND Smith, E. O.

2019 19.6279 A review of a decade of conservation actions for imperiled desert fishes in Grand Canyon tributaries: implications for conservation of large-river fishes [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 50.

Haas, Taylor F.; Kesner, Brian R.; AND Marsh, Paul C.

2018 11.15998 A post-stocking survival and movement analysis of razorback sucker and bonytail in the lower Colorado River [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [61].

2020 11.17679 *Population status and distribution of razorback suckers and bonytail downstream from Palo Verde diversion dam : 2019 interim report.* Tempe, Arizona: Marsh and Associates, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, [v], iii, 2, 46 pp.

Haden, G. Allen

1992 19.4225 *Nonnative fishes of the Grand Canyon : a review with regards to their effects on native fishes.* [Flagstaff, Arizona]: Glen Canyon Environmental Studies, 29 pp.

Haden, G. Allen; Blinn, Dean W.; Shannon, Joseph P.; AND Gorman, O. T.

2001 19.2417 Food resource limitations of the humpback chub (*Gila cypha*), an endangered cyprinid fish in the Little Colorado River, Arizona, USA [ABSTRACT]. *North American Benthological Society, Annual Meeting, La Crosse, Wisconsin, 2001.*

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Hahn, Martha

2013 19.5156 Native fish restoration in Grand Canyon; saving the "specialists" of the Colorado River. *Ranger* (Association of National Park Rangers, Journal), 29(3) (Summer): cover, 1, 6-7.

Haley, Jennifer Stephens

1987 11.10618 Wildlife agency efforts to improve fish habitat by introducing artificial and natural cover. *Lake Mead Limnological Research Center, Technical Report 15* (University of Nevada at Las Vegas), 34 pp.

Hall, H. Dale

2006 11.1947 Endangered and Threatened wildlife and plants; 12-month finding on a petition to list a distinct population segment of the roundtail chub in the lower Colorado River basin and to list the headwater chub as Endangered or Threatened with Critical Habitat. *Federal Register*, 71(85) (May 3): 26007-26017.

Hamman, R. L.

1981 19.3135 Hybridization of three species of chub in a hatchery. *Progressive Fish-Culturist*, 43(3): 140-141.

1982 19.3130 Spawning and culture of humpback chub. *Progressive Fish-Culturist*, 44: 213-216.

► *Gila cypha* at Willow Beach National Fish Hatchery.

Hamilton, Steven J.

1998 11.870 Selenium effects on endangered fish in the Colorado River basin. *In:* Frankenberger, William T., Jr., and Engberg, Richard A. (eds.), *Environmental chemistry of selenium.* New York, Basel, and Hong Kong: Marcel Dekker, Inc., pp. 297-313.

Hamilton, Steven J.; Holley, Kathy M.; Buhl, Kevin J.; Bullard, Fern A.; Weston, L. Ken; AND McDonald, Susan F.

2005 11.1323 Selenium impacts on razorback sucker, Colorado River. I. Adults. *Ecotoxicology and Environmental Safety*, 61(1): 7-31.

2005 11.1324 Selenium impacts on razorback sucker, Colorado River. II. Eggs. *Ecotoxicology and Environmental Safety*, 61(1): 32-43.

Hamman, Roger L.

1981 11.11775 Spawning and culture of Colorado squawfish in raceways. *Progressive Fish-Culturist*, 43(4): 173-177.

► Trials conducted in 1980 on *Ptychocheilus lucius* at Willow Beach National Fish Hatchery.

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Hammonds, Julie

2009 19.4414 Humpback haven; unique fishes survive and even thrive in the warm, turbid waters of the Little Colorado River. *Arizona Wildlife Views* (Arizona Game and Fish Department), (September/October): 18-22.

Hangsleben, Matthew A., AND Makinster, Andrew S.

2008 19.2779 Comparing empirical and modeled length-at-age data from Lees Ferry rainbow trout [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 82-83.

2009 19.3856 Comparing empirical and modeled length at age data from Lees Ferry rainbow trout [ABSTRACT]. *42nd Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society* [Gallup, New Mexico], p. 36.

Hansen, Lindsay E.; Yackulic, Charles B.; Deemer, Bridget R.; AND Best, Rebecca J.

2023 19.6847 Linking ecosystem processes to consumer growth rates: primary productivity as a driver of freshwater fish somatic growth in a resource-limited river. *Canadian Journal of Fisheries and Aquatic Sciences*, (online 28 June 2023), https://doi.org/10.1139/cjfas-2022-0229).

► Flannelmouth sucker (*Catostomus latipinnis*) in the Colorado River within Grand Canyon.

Hansen, S. P.; Choudhury, A.; Heisey, D. M.; Ahumada, J. A.; Hoffnagle, T. L.; AND Cole, R. A.

2006 19.3162 Experimental infection of the endangered bonytail chub (*Gila elegans*) with the Asian fish tapeworm (*Bothriocephalus acheilognathi*): impacts on survival, growth, and condition. *Canadian Journal of Zoology*, 84(10): 1383-1394.

► Potential impacts of infections of humpback chub in Colorado River, Grand Canyon, studied with experiments on the closely related bonytail chub.

Harris, Alan

1982 19.722 Grand Canyon treasure. *Outdoor Life*, 169 (January): 54-55, 72-73.

► Trout fishing.

Harris, William C.

1892 11.7530 The "Sacramento pike." *In:* Notes and Queries [SECTION]. *The American Angler* (New York), 21(8) (May): 379.

► Notes, *in passing*, "It is the largest of the carp species, growing, it is said, to the length of six feet in the Lower Colorado River." Item signed "Ed[itor]." With illustration.

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Harrison, Ian, AND Hogan, Zeb

2014 ☆ 19.4631 Native fishes of the Colorado River. *Saving Freshwater Fishes and Habitats* (IUCN SSC/WI Freshwater Fish Specialist Group, Newsletter), (6) (September): cover, 2, 19-26. [International Union for Conservation of Nature; Species Survival Commission; Wetlands International.]

Hartwell, Meredith

2009 19.2997 300 endangered humpback chub translocated to Shinumo Creek. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 12 (August), http://www.nps.gov/grca/naturescience/cynsk-v12.htm

Hatten, James R.; Batt, Thomas R.; Scoppettone, Gary G.; AND Dixon, Christopher J.

2013 11.10262 An ecohydraulic model to identify and monitor Moapa dace habitat. *PLoS One*, 8(2): e5551, doi:10.1371/journal.pone.0055551, 12 pp.

► Moapa Valley National Wildlife Refuge.

Hayden, Todd A.; Limburg, Karin E.; AND Pine, William E., III

2013 19.3741 Using otolith chemistry tags and growth patterns to distinguish movements and provenance of native fish in the Grand Canyon. *River Research and Applications*, 29(10) (December): 1318-1329.

Hayes, Forest P.; Dodrill, Michael J.; Pine, William E., III; Gerig, Brandon S.; AND Finch, Colton

2017 19.5471 Body condition of endangered humpback chub in relation to temperature and discharge in the Lower Colorado River. *In:* Special Section: Growth and Condition of Endangered Humpback Chub in the Lower Colorado River. *Journal of Fish and Wildlife Management*, 8(1) (June): 333-342 + Supplemental Material cited by various hyperlinks in the paper (pp. 339-340).

► Hydrological Lower Colorado River, Grand Canyon. See also preface by Pine *et al.* (2017, ITEM NO. 19.5671).

Healy, Brian D.

2022 19.6712 Too much of a good thing? Climate warming and water overallocation may lead to new warmwater fish invasions that threaten the viability of Grand Canyon's native fishes. *Canyon Views* (Grand Canyon Conservancy), 29(1) (Spring/Summer): 22-27.

2022 19.6723 New warmwater fish invasions threaten the viability of Grand Canyon's native fishes. *Boatman's Quarterly Review*, 35(3) (Fall): 7-9.

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Healy, Brian, AND Nelson, Clay

2013 19.4002 Humpback chub translocations—an update, by the numbers. *Boatman's Quarterly Review*, 26(2) (Summer): 10.

Healy, Brian; Gdla, Eric; AND Tobin, Benjamin W.

2015 19.4857 Watershed-scale assessment of native fish survival related to fire, flooding, and nonnative species in a Grand Canyon tributary [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 41.

Healy, Brian; Omana, Emily; Trammell, Melissa; Leibfried, William; AND Spurgeon, Jon

2010 19.3725 A second translocation of endangered humpback chub, *Gila cypha*, and monitoring of fish community in Shinumo Creek, Grand Canyon National Park [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 23.

Healy, Brian; Omana Smith, Emily; AND Mathis, Allyson

2011 19.3543 Bright Angel Creek Trout Reduction Project. *Boatman's Quarterly Review*, 24(4) (Winter 2011-2012): 18-19.

Healy, Brian; Omana Smith, Emily; Schelly, Robert; Trammell, Melissa; Koller, Rebecca; AND Crawford, Marianne

2018 19.5750 Establishment of a reproducing population of humpback chub through translocations to Havasu Creek, Grand Canyon [ABSTRACT]. *From:* Fisheries Abstracts Poster Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 28. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

2018 19.5876 Translocations lead to the establishment of a reproducing population of an endangered fish in Grand Canyon, Arizona [ABSTRACT]. *In: Change, Challenge, and Opportunity in Fisheries: Fishing for Solutions : Alaska Chapter/Western Division, American Fisheries Society, 43rd Annual Meeting, 21-25 May, 2018*, [unpaginated].

▶ Humpback chub translocated to Havasu Creek.

Healy, Brian; Omana Smith, Emily; Trammell, Melissa; AND Nelson, Clay B.

2013 19.4961 Bright Angel Creek trout reduction project in Grand Canyon National Park [ABSTRACT]. *GWS2013 : Protected Areas in a Changing World, Denver, Colorado, March 11-15, 2013.* [No place]: George Wright Society.

Healy, Brian; Paukert, Craig P.; AND Pine, William E., III

2015 19.4856 Cooperative Ecosystem Studies Units support fisheries management planning at Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 40.

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Healy, Brian; Schelly, Robert; Omana Smith, Emily; AND Koller, Rebecca

2018 19.5965 Important conservation milestones reached for native fish conservation in Grand Canyon. *Boatman's Quarterly Review*, 31(3) (Fall): 20-21.

Healy, Brian; Schelly, Robert; Omana Smith, Emily; Nelson, Clay; Trammell, Melissa; Koller, Rebecca; AND Crawford, Marianne

2018 19.5745 Mechanical suppression of nonnative trout leads to increases in abundance of native fishes in Bright Angel Creek, Grand Canyon [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 30-31. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Healy, Brian D.; Schelly, Robert C.; Yackulic, Charles B.; Omana Smith, Emily C.; AND Budy, Phaedra

2020 19.6648 Remarkable response of native fishes to invasive trout suppression varies with trout density, temperature, and annual hydrology. *Canadian Journal of Fisheries and Aquatic Sciences*, 77: 1446-1462.

► Bright Angel Creek.

Heckmann, Richard A.; Deacon, James E.; AND Greger, Paul D.

1986 11.13972 Parasites of the woundfin minnow, *Plagopterus argentissimus*, and other endemic fishes from the Virgin River, Utah. *Great Basin Naturalist*, 46(4) (October): 662-676.

► Includes 1979 collections from near Beaver Dam Wash, Arizona, and Mesquite, Nevada; in addition to new collections (1985) between Hurricane and St. George, Utah.

Heckmann, Richard A.; Greger, Paul D.; AND Deacon, James E.

1987 11.10253 New host records for the Asian fish tapeworm, *Bothriocephalus acheilognathi*, in endangered fish species from the Virgin River, Utah, Nevada, and Arizona. *Journal of Parasitology*, 73(1) (February): 226-227.

Heckmann, Richard A.; Greger, Paul D.; AND Furtek, R. C.

1995 11.13973 The Asian fish tapeworm, *Bothriocephalus acheilognathi*, infecting *Plagopterus argentissimus* and other endangered fish species in the Virgin River, Utah and Nevada. *In:* Philipp, David P., Epifanio, John M.; Marsden, J. Ellen, Claussen, Julie E., and Wolotira, Robert J., Jr. (eds.), *Protection of aquatic biodiversity : Proceedings of the World Fisheries Congress, Theme 3.* Lebanon, New Hampshire: Science Publishers, pp. 269-273.

Hedrick, P. W.; Dowling, T. E.; Minckley, W. L.; Tibbets, C. A.; Demarais, B. D.; AND Marsh, P. C.

2000 11.871 Establishing a captive broodstock for the endangered bonytail chub (*Gila elegans*). *Journal of Heredity*, 91(1) (January/February): 35-39.

► Lake Mohave.

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Heffernon, Rick

1994 19.743 Pro's choice. *Arizona Highways*, 70(8) (August): 22-33.

▶ See pp. 24-25. Fishing.

Heffernon, Rick, AND Maack, Richard

1996 19.745 The river at Lees Ferry; icy water, dangerous currents, and giant trout. *Arizona Highways*, 72(9) (September): 4-9.

Helfman, Gene S.

2007 19.5706 *Fish conservation : a guide to understanding and restoring global aquatic biodiversity and fishery resources.* Washington, D.C., Covelo (California), and London: Island Press, 584 pp.

▶ Colorado River in Grand Canyon, see p. 151.

Heinrich, J. E.

1995 11.2055 Status of Nevada fishes. Estatus de los peces de Nevada [ABSTRACT]. *Desert Fishes Council, Proceedings*, 26: 21-23. [In English and Spanish.]

2005 11.7024 Expansion of blue tilapia, *oreochromis aureus*, into native fish habitats in southern Nevada. Expansión de la tilapia azul, *Oreochromis aureus*, hacia hábitats de peces nativos al sur de Nevada [ABSTRACT]. *Desert Fishes Council, Proceedings*, 34: 24. [In English and Spanish.]

▶ Includes notes of Lake Mead, Muddy River, and Virgin River.

Helfman, Gene S.

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2000 11.2061 A modified minnow trap to reduce fish entrapment during crayfish removal efforts. Una trampa para carpas, modificada para reducir la captura de peces durante los esfuerzos de remoción de langostinos [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 37. [In English and Spanish.]

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► "A more detailed report will be filed by Bob Bowers for May Newsletter" (see Bowers, ITEM NO. 19.6632).

Hofmeister, Erik; Georgousi, Fiona; Lund, Melissa; Roderick, Constance; Choudhury, Anindo; Whelan, Gary; AND Cole, Rebecca

2021 19.6687 Loop-mediated isothermal amplification (Lamp) assay for detection of Asian fish tapeworm, *Schyzocotyle acheilognathi* (Yamaguti, 1934) [syn. *Bothriocephalus acheilognthi*]. *Journal of Parasitology*, 107(6) (November 3): 846-852. [Square brackets are part of title.]

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Holden, Paul Bernard

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Holden, Paul B., AND Abate, Paul D.

1999 11.6376 *Fisheries survey of the lower Virgin River, Beaver Dam Wash, Arizona to Lake Mead, Nevada, July 1993-December 1997.* Logan, Utah: Bio/West, Inc., *for* southern Nevada Water Authority, Las Vegas, 53 pp.

Holden, Paul B., AND Golden, Michael E.

2000 11.6375 *Lower Virgin River endangered fish studies, 1998-2000 : evaluation of mechanical removal of red shiner (*Cyprinella lutrensis*), survival of stocked woundfin (*Plagopterus argentissimus*), and results of monitoring.* Logan, Utah: Bio/West, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Regional Office, Boulder City, Nevada, and Southern Nevada Water Authority, Las Vegas, 24 pp. (PR-723-01.)

Holden, Paul B., AND Stalnaker, C. B.

1970 19.777 Systematic studies of the cyprinid genus *Gila*, in the upper Colorado River basin. *Copeia*, 1970(3): 409-420.

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Holden, Paul B.; Abate, Paul D.; Ruppert, Jack B.; AND Heinrich, J. E.

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Holden, Paul B.; Albrecht, Brandon A.; Kegerries, Ron B.; AND Orsak, Erik

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► Lake Mead and Lake Mohave.

Holden, Paul B.; Golden, Michael E.; AND Zucker, Steve J.

2001 11.6373 *An evaluation of changes in woundfin (*Plagopterus argentissimus*) populations in the Virgin River, Utah, Arizona, and Nevada, 1976-1999.* Logan, Utah: BIO-WEST, Inc., 77+ pp.

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► Bluehead sucker, *Catostomus discobolus*. Includes Grand Canyon.

Horn, Michael Joseph

1996 11.356 *Nutritional limitation of recruitment in the razorback sucker (*Xyrauchen texanus*).* Doctoral dissertation, Arizona State University, 280 pp.

► Lake Mohave.

Horvath, Tom, AND Smith, Gentry

2010 19.5828 2010 Lee's Ferry DFC club outing; Thursday, May 13-Sunday, May 16; the DFC plans its descent on the Colorado River. *Forward Casts* (Desert Fly Casters, Mesa, Arizona), (April): 4.

2011 19.5829 Special notice: Lees Ferry club outing canceled. *Forward Casts* (Desert Fly Casters, Mesa, Arizona), (February): 1. [Item signed "Tom and Gentry".]

► 2011 Lees Ferry club trip cancelled due to "extremely high" flows from Glen Canyon Dam.

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Howard, V. Eric [Howard, Eric]

NO DATE 19.783 Trout survey of selected tributaries of the Colorado River in Grand Canyon National Park, December, 1992. *In: Technical reports for Glen Canyon Environmental Studies long-term monitoring program : with accompanying essay* (conducted by Prescott College students, December 4-30, 1992, supervised by Christa Sadler, Andre Potochnik, Julie Munsell). Prescott, Arizona: Prescott College, pp. 29-33. [1993.]

Hoyt, Matthew, AND Liebe, Victor

1995 19.788 Lord of the flies. *Pinnacle* (Arizona Daily Sun), (April): cover, 3, 5-7, 15.

► Lees Ferry fishery.

Hualapai Tribe, Department of Natural Resources

1995 19.5660 *Feasibility study for construction and operation of an endangered fish rearing facility on the Hualapai Reservation : final report as per Cooperative Agreement No. 3-FC-30-00100 between the Bureau of Reclamation and the Hualapai Tribe.* Peach Springs, Arizona: Hualapai Department of Natural Resources, *for* U.S. Bureau of Reclamation, Lower Colorado Regional Office, Boulder City, Nevada, 41 pp. + pipe layout plans.

Hubbs, Carl L.

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► Based on an occurrence of a caught fish from a canal spillway between Winterhaven, California, and the Colorado River.

1954 11.5862 Establishment of a forage fish, the red shiner (*Notropis lutrensis*), in the lower Colorado River system. *California Fish and Game*, 40(3) (July): 287-294.

Hughes, Robert M.

1981 ☆ 19.793 The plains killifish, *Fundulus zebrinus* (Cyprinodontidae), in the Colorado River basin of western North America. *Southwestern Naturalist*, 26(3): 321-324.

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Hunt, Theresa A.

2008 11.1824 *The effects of capture by trammel nets on native Arizona fishes.* Master's thesis, Northern Arizona University, 46 pp.

Hunt, Theresa A.; Gibb, Alice C.; AND Propper, Catherine

2008 11.1385 Effects of trammel nets on native Arizona fishes using cortisol as a stress index [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 53.

► Razorback sucker, *Xyrauchen texanus*; bonytail, *Gila elegans*; and roundtail chub, *Gila robusta*.

Hyde, Ken

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Hyde, Pam

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Hyde, Pam; Rinne, Bill; Pitt, Jennifer; Raley, Bennett; Spangle, Steve; AND Rhodes, John J. (Jay)

2006 19.6568 Preserving Endangered Species—The Big Picture [PANEL]. (Pam Hyde, moderator.) *In: Colorado River Symposium : Sharing the Risks: Shortage, Surplus and Beyond.* Sacramento, California: Water Education Foundation, pp. 76-91. [Panelists are listed in the order in which they first speak; their remarks interject thereafter.] [Volume information: Glenn Totten and Sue McClurg, eds.; transcript by Gateway Secretarial Services. Cover title: *September 28-30, 2005 : Colorado River Project : symposium proceedings : a project of the Water Education Foundation*. Spine title: *Colorado River Project Symposium : 2005*.]

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► See p. 229, notice of "Boulder Dam" and "Lake Meads" (*sic*, Lake Mead).

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2001 19.2044 How's the fishing? *In:* Flipped Out—Letters to the GCPBA [SECTION]. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 38.

► With response from Bruce W. McElya.

Irwin, Roy

1999 11.386 Source of chemicals that feminize Lake Mead fish discovered. *In:* U.S. National Park Service, *Natural resource year in review 1998*, pp. 36-37.

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Jackowitch, Douglas G.

1989 19.797 Image analysis aids the world's most endangered fish. *Advanced Imaging*, 4(2): 24, 26, 36.

► Humpback chub.

Jacobson, Cecil Baltzar

1972 19.4721 Benefits to environment, Glen Canyon to Hoover Dams. *American Society of Civil Engineers, Annual and National Environmental Engineering Meeting, October 16-22, 1972, Houston, Texas*, 13 pp.

► Includes notes on the Lees Ferry fishery.

Jain, Shaleen; Topping, David J.; AND Melis, Theodore S.

2014 19.5975 Deciphering Paria and Little Colorado River flood regimes and their significance in multi-objective adaptive management strategies for Colorado River resources in Grand Canyon [ABSTRACT]. *American Geophysical Union, 2014 Fall Meeting, San Francisco, California, 15-19 December*, Abstract H51J-0743.

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Janisch, E.

1985 19.805 *Evaluation of Lees Ferry fishery and future management.* Report to Fisheries Branch, Arizona Game and Fish Department.

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Jelks, Howard L.; Walsh, Stephen J.; Burkhead, Noel M.; Contreras Balderas, Salvador; Díaz Pardo, Edmundo; Hendrickson, Dean A.; Lyons, John; Mandrak, Nicholas E.; McCormick, Frank; Nelson, Joseph S.; Platania, Steven P.; Porter, Brady A.; Renaud, Claude B.; Schmitter Soto, Juan Jacobo; Taylor, Eric B.; AND Warren, Melvin L., Jr.

2008 ☆ 19.4285 Conservation status of imperiled North American freshwater and diadromous fishes. *Fisheries* (American Fisheries Society), 33(8) (August): 372-407.

Jenkin, J. D.; Li, Y. C.; AND Gold, J. R.

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► Materials include four species from Dexter National Hatchery, Dexter, New Mexico; the parental stock sources included Lake Mohave and Virgin River.

Jenkins, Jill A., AND Goodbred, Steven L.

2006 11.2225 Viability of male gametes in common carp (*Cyprinus carpio*) along the lower Colorado River from the Cibola National Wildlife Refuge (NWR), Havasu NWR, and Lake Mohave of Lake Mead National Recreation Area. *U.S. Geological Survey, Open-File Report 2006-1007*, 25 pp.

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2011 11.2656 Sperm quality assessments for endangered razorback suckers *Xyrauchen texanus*. *Reproduction*, 141: 55-65.

Jenkins, Jill A.; Patiño, Reynaldo; Goodbred, Steven L.; Draugelis-Dale, Rassa O.; Wieser, Carla; Rosen, Michael R.; Orsak, Erik; AND Eilts, Bruce E.

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Kimsey, J. B.; Hagy, Robert H.; AND McCammon, George W.

1957 11.16341 Progress report on the Mississippi threadfin shad in the Colorado River for 1956. *California Department of Fish and Game, Inland Fishereis Adm inistrative Report 57-23*, 47 pp.

► *Dorosoma petenense atchafaylae*.

King, Kirke A.; Andrews, Brenda J.; Martinez, Cynthia T.; AND Kepner, William G.

1997 11.4344 *Environmental contaminants in fish and wildlife of the lower Gila River, Arizona.* Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Services Field Office, 64 pp.

Knecht, Tammy; Montony, Andrea; AND Thorson, Mitch

2010 11.3758 Successes and failures of renovating two ponds at Imperial National Wildlife Refuge [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 21.

► Native and non-native fishes.

Knowles, Glen W.

1998 11.1456 *Movements of adult razorback suckers,* Xyrauchen texanus*, in Lake Mohave, Arizona-Nevada.* Master's thesis, Arizona State University, 40 pp.

Koike, Haruko

2007 11.3007 *Genetic structure of refuge populations of the desert pupfish complex.* Master's thesis, Oklahoma State University, 73 [75] pp.

Koike, Haruko; Echelle, Anthony A.; Loftis, Dustin G.; AND Van Den Bussche, Ronald A.

2008 11.8084 Microsatellite DNA analysis of success in conserving genetic diversity after 33 years of refuge management for the desert pupfish complex. *Animal Conservation*, 11: 321-329.

► Includes Salton Sea to Colorado River delta region.

Koji, Aozono [有薗 幸司]

2000 11.15026 内分泌攪乱物質 と野生生物; 河川, 沿 岸生態 系 と魚 [Naibunpikakuranbusshitsu to yasei seibutsu; kasen, yán-Gan seitai-kei to sakana] [Endocrine disrupters and wildlife; rivers, coastal ecosystems and fish]. 境 科学会誌 [Sakai-ka gakkaishi] [*Environmental Science* (Japan Association for Environmental

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Science)], 13(2): 248-254. [In Japanese, with section title in mixed Japanese and Roman orthography.]

► See section "3.5 U.S.Geological Surveyに よ る米 国 Nevada州 調 査" (pp. 251-252), which relates to Lake Mead.

Kolar, Cindy S.; Chapman, Duane C.; Courtenay, Walter R., Jr.; Housel, Christine M.; Williams, James D.; AND Jennings, Dawn P.

2005 11.17370 *Asian carps of the genus* Hypophthalmichthys *(Pisces, Cyprinidae)—a biological synopsis and environmental risk assessment.* [No imprint], *for* U.S. Fish and Wildlife Service, 175 pp. (Interagency Agreement 94400-3-0128.)

► Under "Disease Transmittal to Native Fishes" (pp. 56-57), brief notices of the Virgin spinedace, Colorado pikeminnow, and humpback chub; and note of the Asian carp tapeworm *Bothriocephalus acheilognathi* introduced to Dexter National Fish Hatchery, New Mexico, probably from upper basin Colorado River fishes spawned at Willow Beach National Fish Hatchery, Arizona. (No specific details.)

Koller, Rebecca C.; Omana Smith, Emily; Schelly, Robert; AND Healy, Brian

2017 19.5850 Humpback chub translocations and nonnative fish control: Grand Canyon success stories [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 89-90.

Kondolf, G. Mathias

2000 19.2915 Assessing salmonid spawning gravel quality. *American Fisheries Society, Transactions*, 129: 262-281.

Kondolf, G. Mathias; Cook, Stuart S.; Maddux, Henry R.; AND Persons, William R.

1989 19.881 Spawning gravels of rainbow trout in Glen and Grand canyons, Arizona. *Arizona-Nevada Academy of Science, Journal*, 23: 19-28.

Korman, Josh, AND Campana, Steven E.

2005 19.2562 Effects of 2003-04 fluctuating flows from Glen Canyon Dam on the early life history stages of rainbow trout in the Colorado River. Part 2: Effects of young-of-year habitat us, growth, and survival [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 38.

► For Part 1 see Korman *et al.*, ITEM NO. 19.2563.

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2015 19.4863 Causes and patterns in boom and bust cycles of the rainbow trout population in the Glen Canyon Dam tailwater as determined by an intensive mark-recapture study [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 53.

Korman, Josh; Kaplinski, Matt A.; Hazel, Joseph E., Jr.; AND Melis, Theodore S.

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► For Part 2 see Korman and Campana, ITEM NO. 19.2562.

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Korman, Josh; Kaplinski, Matt A.; AND Melis, Theodore S.

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Korman, Josh; Yard, Michael D.; AND Bennett, Glenn E.

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Korman, Josh; Yard, Mike [Yard, Michael D.]**; AND Speas, Dave** [Speas, David W.]

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Korman, Josh; Yard, Michael; Yackulic, Charles; Dzul, Maria; Wright, Scott; Dodrill, Michael; AND Kennedy, Theodore

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2006 11.4248 *Razorback sucker (*Xyrauchen texanus*) status, reproduction, and recruitment in Senator Wash Reservoir, CA.* [No place]: Arizona Game and Fish Department, Research Branch, 32 pp.

► "Final Report Cooperative Agreement No. 00-FG-34-0009 between United States Bureau of Reclamation and Arizona Game and Fish Department".

Kritsky, Delane C., AND Mendoz Franco, Edgar F.

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► Discussions note that examinations of the gills of striped bass from populations introduced into Lake Havasu were negative for species of *Aristocleidus* (see pp. 79S, 81S).

Kubly, Dennis M.

1992 19.887 Trout. *In: Long-Term Monitoring Workshop for the Grand Canyon, October 5-6, Irvine, California.* [National Research Council, Water Science and Technology Board], 4 pp. [separately paginated].

Kubly, Dennis M.; deVos, James C.; AND Maddux, Henry

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1994 11.15905 *Fishes and fisheries of Nevada.* (Foreword by Gary Vinyard and James E. Deacon; current nomenclature and status of Nevada fishes by Craig Stockwell.) Reno: University of Nevada Press, 782 pp.

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2012 11.15906 *Fishes and fisheries of Nevada.* [Whitefish, Montana]: Literary Licensing, 782 pp.

► Reprinting of 1962 ed.

La Rivers, Ira, AND Trelease, T. J.

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Larsen, Eric

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► See "Grand Canyon/Colorado River", regarding the Lees Ferry fishery.

Lateral Lines Art

NO DATE 19.6908 *Native fishes of the Colorado River in Grand Canyon National Park.* ("Poster design: A. Burdett and W. Brandenburg (laterallinesart.com)".) [No place]: Grand Canyon

Association, U.S. National Park Service, and U.S. Bureau of Reclamation [and with Lateral Lines Art logo].

► Poster designed 11 × 27 inches, two sides (color on one side only), distributed in gatefold format 9 × 11 inches. Funding, photo, and map credits provided.

Lauretta, Matthew

2005 19.2564 Humpback chub (*Gila cypha*) monitoring in the Colorado River in Grand Canyon, 2002-05 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 83.

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2018 11.15739 *Demographics and monitoring of repatriated razorback suckers in Lake Mohave : 2017 annual report.* Tempe, Arizona: March and Associates, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 37 pp.

Ledbetter, Jeri D.

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Lee, David S.; Gilbert, Carter R.; Hocutt, Charles H.; Jenkins, Robert E.; McAllister, Don E.; AND Stauffer, Jay R., Jr.

1980 19.910 *Atlas of North American freshwater fishes.* North Carolina Biological Survey, 854 pp. + additions. [1980 *et seq.*]

Leibfried, William Charles [Leibfried, Bill]

1988 19.913 *The utilization of* Cladophora glomerata *and epiphytic diatoms as a food source by rainbow trout in the Colorado River below Glen Canyon Dam.* Master's thesis, Northern Arizona University, 40 pp.

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► Humpback chub monitoring.

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Leibfried, William C., AND Montgomery, W. Linn

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1993 19.918 Regulated flows, trout spawning, and abundance of bald eagles on the Colorado River, Grand Canyon National Park. *In:* Rowlands, Peter G., Riper, Charles van, III, and Sogge, Mark K. (eds.), *Proceedings of the First Biennial Conference on Research in Colorado Plateau National Parks.* U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-93/10, pp. 37-48.

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Leibfried, William C., AND Valdez, Richard A.

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Leibfried, Bill [Leibfried, William C.]**, Johnstone, Lainie; AND Cross, Jeffrey**

2005 19.3340 Brown trout removal in Bright Angel Creek, Grand Canyon National Park: A potential recovery effort for native fishes. Remoción de la trucha café del Arroyo Bright Angel, Parque Nacional del Gran Cañón: Un esfuerzo para la recuperación potencial de peces nativos [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 43. [In English and Spanish.]

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2005 19.3164 *Feasibility study to determine the efficacy of using a weir in Bright Angel Creek to capture brown trout. Final report.* Flagstaff, Arizona: SWCA Environmental Consultants, *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center.

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1989 11.11342 The status of striped bass in Lake Mohave [ABSTRACT]. *In:* Twenty-third Annual Meeting, April 15, 1989, University of Nevada, Las Vegas. *Arizona-Nevada Academy of Science, Journal*, 24(1989 Proceedings Supplement): 10.

Limburg, Karin E.

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Linder, Greg, AND Little, Edward E.

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2009 11.11812 Competing risks and the development of adaptive management plans for water resources: Field reconnaissance investigation of risks to fishes and other aquatic biota exposed to endocrine disrupting chemicals (EDCs) in Lake Mead, Nevada, USA. *In:* Starrett, Steve (ed.), *World Environmental and Water Resources Congress 2009 : Great Rivers : proceedings of the congress : May 17-21, 2009, Kansas City, Missouri.* Reston, Virginia: American Society of Civil Engineers.

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Linder, Greg; Echols, Kathy; Hinck, Jo Ellen; AND Little, Edward E.

2012 11.3054 Exposure to chemical stressors in surface waters and sediments of Lake Mead: A reconnaissance analysis of exposure and risks potentially associated with polybrominated diphenyl ethers (PBDEs) detected in tissue residues of common carp (*Cyprinus carpio*) [ABSTRACT]. *In: 2012 Lake Mead Symposium.* Reno: Nevada Water Resources Association, p. 28. (Document running title: *2012 Lake Mead Symposium, Tuscany Suites and Casino, Las Vegas, Nevada, March 5-6, 2012*.)

Lindsay, Marshall S., AND Wolters, Pilar N.

2018 ☆ 19.5752 Feasibility of using meristic counts and mouth characteristics to identify razorack sucker[-]flannelmouth sucker hybrids [ABSTRACT]. *From:* Fisheries Abstracts Poster Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 29-30. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Linner, Susan C., AND Williams, Robert D.

1995 11.17075 Endangered and Threatened wildlife and plants; Reopening of the comment period on proposed critical habitat determination for woundfin, Virgin River Chub, and virgin spinedace. *Federal Register*, 60(115) (June 15): 31444-31445.

► Virgin River spinedace.

Lockhard, Dale V.

1971 11.10627 *Vulnerability of game fish to spearfishing, Lake Mead.* Las Vegas: Nevada Fish and Game Commission, 12 pp.

Lockington, William N.

1880 11.460 Description of a new species of *Catostomus* (*Catostomus cypho*) from the Colorado River. *Academy of Natural Sciences of Philadelphia, Proceedings*, 32: 237-240.

► Single specimen from civil engineer John E. Curry, taken "from the Colorado River, at the junction of the Gila".

Loomis, Eric M.; Sjöberg, Jon C.; Wong, Wai Hing; AND Gerstenberger, Shawn L.

2011 11.4908 Abundance and stomach content analysis of threadfin shad in Lake Mead, Nevada: Do invasive quagga mussels affect this prey species? *Aquatic Invasions*, 6(2): 157-168.

Loomis, Eric M.; Wong, David [Wong, Wai Hing]**; AND Gerstenberger, Shawn**

2009 11.1742 Threadfin shad and invasive quagga mussels in Lake Mead, Nevada [ABSTRACT]. *In: Lake Mead Science Symposium, January 13 and 14, 2009, Las Vegas, Nevada : program.* [Las Vegas: University of Nevada at Las Vegas], p. 12.

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Loudermilk, William E.

1985 11.18884 Aspects of razorback sucker (*Xyrauchen texanus*, Abbott) life history which help explain their decline. *From:* Desert Fishes Council, Thirteenth Annual Symposium, Death Valley National Monument Headquarters, Furnace Creek, California, November 19-21, 1981. *In:* Pister, E. P. (ed.), *Proceedings of the Desert Fishes Council, Vol. XIII–XV-A : the Thirteenth-Fifteenth Annual Symposia*, pp. 67-72. *(Desert Fishes Council, Proceedings*, 13: 67-72.)

Lupher, M. L., AND Clarkson, R. W.

1994 19.3165 Temperature tolerance of humpback chub (*Gila cypha*) and Colorado squawfish (*Ptychocheilus lucius*) [ABSTRACT]. *Desert Fishes Council, Proceedings*, 25: 38.

Lynch, J. M.; McElroy, D. M.; AND Douglas, M. E.

1994 19.941 A geometric analysis of morphological variation in Colorado River chub (*Gila cypha* and *G. robusta*) [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 29.

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1986 19.6477 Bluehead sucker spawning in Kanab Creek, Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 21(1986 Proceedings Supplement) (April): 19.

Maddux, Henry R., AND Kepner, William G.

1988 19.944 Spawning of bluehead sucker in Kanab Creek, Arizona (Pisces: Catostomidae). *Southwestern Naturalist*, 33(3): 364-365.

Maddux, Henry R.; Fitzpatrick, Lesley; Noonan, William; AND Tyus, Harold

1993 19.945 Endangered and threatened wildlife and plants: Proposed determination of critical habitat for the Colorado River endangered fishes: Razorback sucker, Colorado squawfish, humpback chub, and bonytail chub. *Federal Register*, 58(18) (January 29): 6578-6589.

Maddux, Henry R.; Noonan, William; Fitzpatrick, Lesley A.; Tyus, Harold M.

1994 19.946 Endangered and threatened wildlife and plants; determination of critical habitat for the Colorado River endangered fishes: Razorback sucker, Colorado squawfish, humpback chub, and bonytail chub. *Federal Register*, 59(54) (March 21): 13374-13400.

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Magirl, Christopher S., AND Andersen, Matthew E.

2008 19.2759 Velocity distribution in the pools and rapids of the Colorado River and the impact on aquatic ecology [ABSTRACT]. *In: Colorado River Basin Science and* Resource *Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 33.

2010 19.3240 Water velocity of the Colorado River: Implications for native fishes. *In:* Melis, Theodore S., Hamill, John F., Coggins, Lewis G., Jr., Grams, Paul E., Kennedy, Theodore A., Kubly, Dennis M., and Ralston, Barbara E. (eds.), Proceedings of the Colorado River Basin Science and Resource Management Symposium, November 18-20, 2008, Scottsdale, Arizona. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem. *U.S. Geological Survey, Scientific Investigations Report 2010-5135*, pp. 177-183.

Makinster, Andrew W.; Persons, William R.; AND Avery, Luke A.

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Makinster, Andrew S.; Persons, William R.; Avery, Luke A.; AND Bunch, Aaron J.

2010 19.3310 Colorado River fish monitoring in Grand Canyon, Arizona—2000 to 2009 summary. *U.S. Geological Survey, Open-File Report 2010-1246*, 26 pp.

Makinster, Andrew S.; Rogers, R. Scott; AND Persons, William R.

2008 19.2765 Modeling the management of the Lees Ferry rainbow trout fishery [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 42.

Mallet, James

2007 11.4827 Hybrid speciation. *Nature* (London), 446 (March 15): 279-283.

► Includes *Gila seminuda* of Virgin River (p. 282).

Marr, Carrie L. H.

2007 11.4327 *Endocrine disruption in razorback sucker and common carp on national wildlife refuges along the lower Colorado River. Environmental Contaminants Program, on-refuge investigations, final report.* U.S. Fish and Wildlife Service, Region 2, *for* Arizona Ecological Services, Phoenix, 69 pp.

2009 11.4308 Endocrine disruption in razorback sucker and common carp on national wildlife refuges along the lower Colorado River [ABSTRACT]. *42nd Annual Meeting, Arizona/New Mexico Chapters of the Wildlife Society and Arizona/New Mexico Chapter of the American Fisheries Society* [Gallup, New Mexico], p. 39.

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Marr, Carrie H., AND Velasco, Anthony L.

2005 11.4282 *AZ-backwater manipulations for endangered fishes: management implications of selenium on national wildlife refuges of the lower Colorado River. Final report.* [No place]: U.S. Fish and Wildlife Service, Region 2, *for* Arizona Ecological Services Field Office, Phoenix, 64 pp. (Environmental Contaminants Program On-Refuge Investigations Sub-Activity.) (Project ID: 22410-1261-2N37; DEQ ID: 200020003.)

Marsh, Paul C.

1985 ☆ 19.961 Effect of incubation temperature on survival of embryos of native Colorado River fishes. *Southwestern Naturalist*, 30(1) (March 27): 129-140.

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2005 11.1823 Immiscibility of native and nonnative species. *In: Proceedings of two symposia: Restoring native fish to the lower Colorado River: interaction of native and non-native fishes, July 14-14, 1999, Las Vegas, Nevada.* Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Southwest Region, pp. 59-63.

2024 ☆ 19.6869 *Field guide to fishes of the Grand Canyon State.* (Robert W. Clarkson, ed.) Phoenix: American Traveler Press, 316 pp.

Marsh, Paul C., AND Douglas, Michael E.

1994 19.962 Humpback chub as food of non-native fishes in the Little Colorado River [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, pp. 20-21.

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1997 19.3159 Predation by introduced fishes on endangered humpback chub and other native species in the Little Colorado River, Arizona. *American Fisheries Society, Transactions*, 126(2): 343-346.

Marsh, Paul C., AND Minckley, W. L.

1989 11.11654 Observations on recruitment and ecology of razorback sucker: lower Colorado River, Arizona-California-Nevada. *Great Basin Naturalist*, 4(1) (January): 71-78.

Marsh, Paul C., AND Mueller, Gordon

1999 11.916 Spring-Summer movements of bonytail in a Colorado River reservoir, Lake Mohave, Arizona and Nevada. *U.S. Geological Survey, Open-File Report 99-103*, 26, [6] pp. (Prepared jointly with Arizona State University.)

Marsh, Paul C.; Dowling, Thomas E.; Kesner, Brian R.; Turner, Thomas F.; AND Minckley, W. L.

2015 11.8102 Conservation to stem imminent extinction: The fight to save razorback sucker *Xyrauchen texanus* in Lake Mohave and its implications for species recovery. *Copeia*, 2015(1) (March): 141-156.

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Marsh, Paul C.; Mueller, Gordon A.; AND Schooley, Jason D.

2013 11.8104 Springtime foods of bonytail (Cyprinidae: *Gila elegans*) in a lower Colorado River backwater. *Southwestern Naturalist*, 58(4) (December): 512-516.

► Cibola High Levee Pond, Cibola National Wildlife Refuge.

Marsh, Paul C.; Mueller, Gordon A.; AND Schwemm, Michael R.

2013 11.5096 Diel cover use and local site fidelity of a large southwestern cyprinid, bonytail *Gila elegans*, in a lower Colorado River backwater. *Western North American Naturalist*, 73(2): 211-218.

► Cibola High Levee Pond, Cibola National Wildlife Refuge.

Marsh, Paul C.; Pacey, Carol A.; AND Kesner, Brian R.

2003 11.6352 Decline of the razorback sucker in Lake Mohave, Colorado River, Arizona and Nevada. *American Fisheries Society, Transactions*, 132(6): 1251-1256.

2005 11.2065 W. L. Minckley and the razorback sucker of the lower Colorado River. W. L. Minckley y el matalote jorobado de la parte baja del Río Colorado [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 48-49. [In English and Spanish.]

Marsh, Paul C.; Pacey, C. A.; AND Minckley, W. L.

1999 ☆ 19.3160 Resource use attributes of Colorado River fishes and implications for management of native and non-native species [ABSTRACT]. Características del uso de recursos de peces del Río Colorado e implicaciones para el manejo de peces nativos y no-nativos [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 24. [In English and Spanish.]

Marshall, Bob

2004 19.3756 Rainbows in the desert; superb fishing for trout that shouldn't be there. *In:* Where to Go [SECTION]. *Field and Stream*, 108(11) (April): 98-100.

► Lees Ferry trout fishing.

Marshall, Charles W.

1976 11.11145 Inventory of fish species and the aquatic environment of fifteen backwaters of the Topock Gorge division of the Colorado River. *California Department of Fish and Game, Inland Fisheries Branch, Inland Fisheries Administrative Report 76-4*, 98 pp.

Martens, Tom

1994 19.4610 Pity the poor, endangered humpback chub. *Headwaters*, (Spring): 7.

Martin, William C.; Bollman, F. H.; AND Gum, R.

1980 11.1449 *The economic value of the Lake Mead fishery with special attention to the largemouth bass fishery : final report.* Sacramento, California: Jones and Stokes Associates, Inc.,

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for Nevada Department of Wildlife, Arizona Game and Fish Department, and Water and power Resources Service, 194 pp. (Contract No. 14-06-300-2719.)

Masslich, W. J.; Cowdell, B. R.; AND Valdez, R. A.

1993 19.972 Radiotelemetry studies of humpback chub *Gila cypha* in the Colorado River, Grand Canyon, Arizona [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 68-69. [In English and Spanish.]

Matamoros, Wilfredo A.; Hoagstrom, Christopher W.; Schaefer, Jacob F.; AND Kreiser, Brian R.

2015 ☆ 19.5110 Fish faunal provinces of the conterminous United States of America reflect historical geography and familial composition. *Biological Reviews*, 91(3) (August): 813-832.

Mathis, Allyson

2011 19.4163 Grand Canyon NP reaches milestones in endangered species recovery. *Arrowhead* (U.S. National Park Service, Employees and Alumni Association), 18(3) (Summer/Fall): 5, 8.

► Humpback chub [fish] and sentry milk-vetch [plant].

Mathis, Allyson, AND Healy, Brian

2010 19.3119 Flying fish continued—additional humpback chub to be translocated to Shinumo Creek. *Boatman's Quarterly Review*, 23(1) (Spring): 10-12.

2010 19.3229 Conserving Grand Canyon's endangered humpback chub. *Canyon Views* (Grand Canyon Association), 16(2) (Summer): 3-4.

Mathis, Allyson; Mietz, Steve; Leibfried, Bill; Stevens, Larry [Stevens, Lawrence E.]; AND Persons, Bill

2009 19.3002 Flying fish: The 2009 humpback chub translocation experiment. *Boatman's Quarterly Review*, 22(2) (Summer): 6-8.

2009 19.3033 Conserving Grand Canyon's endangered fish: The 2009 humpback chub translocation experiment. *RMS Journal* (River Management Society), 22(2) (Summer): 4.

2009 19.3003 Flying fish: The 2009 humpback chub translocation experiment. *Boatman's Quarterly Review*, 22(3) (Fall): 12-14.

► Text repeated from 22(2): 6-8, with different photographic illustrations.

Mathis, Allyson, AND Omana Smith, Emily

2011 19.3492 2011 humpback chub translocations to Havasu and Shinumo Creeks. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 23 (September), http://www.nps.gov/grca/naturescience/cynsk-v23.htm

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Matter, William J., AND Mannan, R. William

1988 11.18910 Sand and gravel pits as fish and wildlife habitat in the Southwest. *U.S. Fish and Wildlife Service, Resource Publication 171*, 11 pp.

► Includes remarks on lower Colorado River habitats.

Matthews, William J.

1992 19.975 Potential conservation research on humpback chub (*Gila cypha*) and other endmeic [*sic*] fishes in the Colorado River. *In: Long-Term Monitoring Workshop for the Grand Canyon, October 5-6, Irvine, California.* [National Research Council, Water Science and Technology Board], 9 pp. [separately paginated].

Maurer, Stephen G.

1987 19.4526 Trout fishing in the Grand Canyon. *Wildwater*, (Fall): 26-29.

1987 19.4527 A fish no more in a river no more. *Wildwater*, (Fall): 29.

► Colorado River squawfish.

Maxa, Christine, AND Cordano, Marty

2002 19.5618 Soap Creek fish story; angler hooks 50 rainbow trout in one day. *Arizona Highways*, 78(11) (November): inside front cover-1, 38-43.

Maxa, Christine, AND Wise, Jason

2002 19.2226 Fly-fishing northern AZ's bountiful Lees Ferry will have you hooked. *Valley Guide Quarterly*, 12(4) (Winter): 152-156.

McBride, Peter

2016 19.5153 An endangered humpback chub swims in the milky water of the Little Colorado River. *Arizona Highways*, 92(9) (September): inside front cover-1.

► Photo. An underwater perspective.

McCafferty, Keith

1996 19.3685 The Rockies; hunting and fishing on the spine of time. *Field and Stream*, (Winter): 22-27. ("Special Collector's Issue. *This* Land is *Your* Land; a Guide to Hunting and Fishing on America's Federal Lands".)

► See sidebar, p. 24, "Canyon Rainbows": includes notes on fishing at Lees Ferry reach of Colorado River and area near Phantom Ranch; also note of fishing on Lake Mead.

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McCall, Terry C.

NO DATE ☆ 19.5756 *Fishery investigation of Lake Mead, Arizona-Nevada, from Separation Rapids to Boulder Canyon, 1978-79.* Kingman, Arizona: Arizona Game and Fish Department, Region III Office, *for* U.S. Department of the Interior, Water and Power Resources Service, Lower Colorado River Region, Boulder City, Nevada, 197 pp. (Final report, contract no. 8-07-30-X0025.) [1980.]

McCammon, George W.

1956 11.16342 A tagging experiment with channel catfish (*Ictalurus punctatus*) in the lower Colorado River. *California Fish and Game*, 42(4): 323-335.

► Study area in Colorado River between Parker and Imperial dams.

McCarthy, Michael Scott

1986 11.1461 *Age of imperiled razorback sucker (Pices, Catostomidae) from Lake Mohave, Arizona-Nevada.* Master's thesis, Arizona State University, 38 pp.

McCarthy, Michael S., AND Minckley, W. L.

1987 11.10347 Age estimation for razorback sucker (Pisces: Catostomidae) from Lake Mohave, Arizona and Nevada. *Arizona-Nevada Academy of Science, Journal*, 21: 87-97.

McElroy, Douglas M.; Shoemaker, Julie A.; AND Douglas, Michael E.

1997 19.3634 Discriminating *Gila robusta* and *Gila cypha*: Risk assessment and the Endangered Species Act. *Ecological Applications*, 7(3) (August): 958-967.

McElya, Bruce W.

2001 19.2049 [Response to query, "How's the fishing", from David Inouye.] *In:* Flipped Out—Letters to the GCPBA [SECTION]. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 5(2) (Summer): 38.

McGivney, Annette, AND Martin, Amy S.

2023 19.6801 In hot water. The humpback chub was added to the endangered species list in 1973. Over the years, it has survived the introduction of rainbow trout, fluctuating river flows and the construction of a dam. But now, the water being released from that dam is hotter than ever, allowing warm-water species such as smallmouth bass—a voracious predador of the humpback chub—to survive and potentially wipe out decades of recovery efforts. *Arizona Highways*, 99(10) (October): 38-45.

► Features the recovery work of Amy Martin, focusing on work in Havasu Creek and containing her photography. See also notes about Martin in the "Contributors" section (p. 3).

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McIvor, Carole C., AND Thieme, Michele L.

1999 19.1018 Flannelmouth suckers: Movement in the Glen Canyon reach and spawning in the Paria River. *In:* Webb, Robert H., Schmidt, John C., Marzolf, G. Richard, and Valdez, Richard A. (eds.), *The controlled flood in Grand Canyon.* Washington, D.C.: American Geophysical Union, pp. 289-295. (*American Geophysical Union, Geophysical Monograph 110.*)

McKee, Edwin D.

1930 19.1047 Briefs. *Grand Canyon Nature Notes*, 4(6) (April 30): 37.

► Includes brief notes of birds, butterflies, and fishing in Bright Angel Creek.

1933 19.1110 [Fish.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 7(12): 127.

McKinney, Ted, AND Persons, William R.

1999 19.2050 *Rainbow trout and lower trophic levels in the Lee's Ferry tailwater below Glen Canyon Dam, Arizona—a review. Final report to Glen Canyon Monitoring and Research Center.* Phoenix: Arizona Game and Fish Department.

McKinney, Ted, AND Speas, David W.

2001 19.2152 Observations of size-related asymmetries in diet and energy intake of rainbow trout in a regulated river. *Environmental Biology of Fishes*, 61(4): 435-444.

McKinney, Ted; Persons, William R.; AND Rogers, Roland S.

1999 19.2051 Ecology of flannelmouth sucker in the Lee's Ferry tailwater, Colorado River, Arizona. *Great Basin Naturalist*, 59: 259-265.

1999 19.4475 Abundance, distribution and movement of flannelmouth sucker, *Catostomus latipinnis*, in the Lee's Ferry tailwater below Glen Canyon Dam, Colorado River, Arizona [ABSTRACT]. Abundancia, distribución y movimiento del matalote boca de franela, *Catostoma latipinnis*, en el flujo de agua de las exclusas de Lee's Ferry bajo la Presa Glen Canyon, Río Colorado, Arizona [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 24-25. [In English and Spanish.]

McKinney, Ted; Robinson, A. T.; Speas, D. W.; AND Rogers, R. S.

2001 19.2153 Health assessment, associated metrics, and nematode parasitism of rainbow trout in the Colorado River below Glen Canyon Dam, Arizona. *North American Journal of Fisheries Management*, 21(1) (February): 62-69.

McKinney, Ted; Rogers, Roland S.; AND Ayers, Andrew D.

1997 19.1113 Effects of experimental flooding on periphyton and macroinvertebrates in the Glen Canyon Dam tailwater. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 27.

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1997 19.1114 Experimental flooding and rainbow trout in the Glen Canyon Dam tailwater. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 28.

1997 19.1115 Effects of experimental flooding on periphyton, diatom epiphytes and macroinvertebrates in the tailwater of a regulated river. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, pp. 20-21.

McKinney, Ted; Rogers, Roland S.; Ayers, Andrew D.; AND Persons, William R.

1996 19.1116 Effects of experimental flooding on algae, macroinvertebrates, rainbow trout and flannelmouth suckers in the Glen Canyon Dam tailwater. *In:* Arizona Game and Fish Department, *The effects of an experimental flood on the aquatic biota and their habitats in the Colorado River, Grand Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, pp. 10-1 to 10-30.

McKinney, Ted; Rogers, Roland S.; AND Persons, William R.

1999 19.2052 Effects of flow reductions on aquatic biota of the Colorado River below Glen Canyon Dam, Arizona. *North American Journal of Fisheries Management*, 19: 984-981.

McKinney, Ted; Speas, David W.; Rogers, Roland S.; AND Persons, William R.

2001 19.2053 Rainbow trout in a regulated river below Glen Canyon Dam, Arizona, following increased minimum flows and reduced dischrge variability. *North American Journal of Fisheries Management*, 21: 216-222.

Meek, Seth Eugene

1904 11.1852 The fresh-water fishes of Mexico north of the Isthmus of Tehuantepec. *Field Columbian Museum, Publication (Zoological Series)*, 5, 252 pp.

Meismer, Steve

2012 11.4823 Invasive species threaten native Virgin River species. *Inside St. George* (St. George, Utah), (Summer): 4.

► Fishes.

Melis, Theodore S.

2015 19.4867 Use and usability of experimental monitoring data and temperature modeling to inform adaptive management of the Colorado River's thermal regime for native fish conservation below Glen Canyon Dam [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 60.

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Persons, William R.; McCormack, Kevin; AND McCall, Terry

1985 19.2809 *Fishery investigation of the Colorado River from Glen Canyon Dam to the confluence of the Paria River : assessment of the impact of fluctuating flows on the Lee's Ferry fishery : final report.* Phoenix: Arizona Game and Fish Department, 93 pp. (Federal aid in sport fish restoration, Dingell Johnson project F-14-R-14.)

Persons, William R.; Van Haverbeke, David R.; AND Dodrill, Michael J.

2017 19.5325 Colorado River fish monitoring in Grand Canyon, Arizona: 2002-14 humpback chub aggregations. *U.S. Geological Survey, Open-File Report 2016-1177*, 43 pp.

Persons, William R.; Ward, David L.; AND Avery, Luke A.

2013 19.3768 Standardized methods for Grand Canyon fisheries research 2012. *U.S. Geological Survey, Techniques and Methods*, Book 2, Collection of Environmental Data, Section A, Biological Science, Chapter 12, 19 pp. (U.S. Geological Survey, Techniques and Methods, 2-A12.)

2015 19.4676 Standardized methods for Grand Canyon fisheries research 2015. *U.S. Geological Survey, Techniques and Methods*, Book 2, Collection of Environmental Data, Section A, Biological Science, Chapter 12, 19 pp. ("Revised: January 2015 (ver. 1.1)".) (U.S. Geological Survey, Techniques and Methods, 2-A12.)

Petersen, James H., AND Paukert, Craig P.

2005 19.2623 Development of a bioenergetics model for humpback chub and evaluation of water temperature changes in the Grand Canyon, Colorado River. *American Fisheries Society, Transactions*, 134(4) (July): 960-974.

Peterson, Rob

2016 19.5830 Cat' Canyon and Lees Ferry. *Target Talk* (Long Beach Casting Club, Long Beach, California), (October): 4-5.

► Column written prior to a rafting trip in Cataract Canyon (Utah), but mostly contains notes relating to fishing at Lees Ferry.

Pillow, Michael J.; Van Haverbeke, David R.; AND Stone, Dennis

2012 19.4062 2011 update on humpback chub (*Gila cypha*) translocations and monitoring above lower atomizer falls [*sic*] in the Little Colorado River, Arizona. *In: Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated].

Pimentel, R., AND Bulkley, R. V.

1983 19.1339 Concentrations of total dissolved solids preferred or avoided by endangered Colorado River fishes. *American Fisheries Society, Transactions*, 112(5): 595-600.

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Pine, William E., III

2005 19.2568 Update on status and trends of humpback chub in Grand Canyon [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 47.

2013 19.4116 *Nearshore ecology (NSE) of Grand Canyon fish : final report.* Gainsville, Florida: University of Florida, Department of Wildlife Ecology and Conservation, 443 pp.

► Report recipient not indicated. Project personnel: W. Pine, C. Finch, W. Gerig, M. Dodrill, K. Limburg, T. Hayden, and J. Korman.

Pine, William E., III; Gerig, Brandon S.; AND Finch, Colton G.

2017 19.5671 Characterizing growth and condition of endangered humpback chub in the Lower Colorado River. *In:* Special Section: Growth and Condition of Endangered Humpback Chub in the Lower Colorado River. *Journal of Fish and Wildlife Management*, 8(1) (June): 313-321.

► *Gila cypha*, humpback chub. Hydrological Lower Colorado River, Grand Canyon. This paper is a preface to the papers by Hayes *et al.* (2017, ITEM NO. 19.5471) and Pine *et al.* (2017, ITEM NO. 19.5672). *NOTE*: An earlier form of this paper was posted first online with the title, "Characterizing growth of an endangered native fish, *Gila cypha*: An assessment from the Colorado River in Grand Canyon."

Pine, William E., III; Healy, Brian; Omana Smith, Emily; Trammell, Melissa; Speas, Dave; Valdez, Rich; Yard, Mike; Walters, Carl; Ahrens, Rob; Van Haverbeke, Randy; Stone, Dennis; AND Wilson, Wade [Pine, William E., III; Healy, Brian D.; Omana Smith, Emily; Trammell, Melissa; Speas, David W.; Valdez, Richard A.; Yard, Michael D.; Walters, Carl J.; Ahrens, Robert J.; Van Haverbeke, David R.; Stone, Dennis M.; AND Wilson, Wade]

2013 19.5032 An individual-based model for population viability analysis of humpback chub in Grand Canyon. *North American Journal of Fisheries Management*, 33(3): 626-641.

Pine, William E., III; Limburg, Karin; Dodrill, Michael J.; Chargaris, David D.; Coggins, Lewis G.; Gerig, Brandon S.; Finch, Colton G.; Speas, David W.; Yard, Michael D.; Persons, William R.; AND Hendrickson, Dean A.

2017 19.5672 Growth of endangered humpback chub in relation to temperature and discharge in the Lower Colorado River. *In:* Special Section: Growth and Condition of Endangered Humpback Chub in the Lower Colorado River. *Journal of Fish and Wildlife Management*, 8(1) (June): 322-332 + Supplemental Material cited by various hyperlinks in the paper (pp. 329-330).

► Hydrological Lower Colorado River, Grand Canyon. See also preface by Pine *et al.* (2017, ITEM NO. 19.5671).

Pine, William E., III; Martell, Seven J. D.; Walters, Carl J.; AND Kitchell, James F.

2009 19.6333 Counterintuitive responses of fish populations to management actions: Some common causes and implications for predictions based on ecosystem modeling. *Fisheries* (American Fisheries Society), 34(4) (April): cover, contents page, 165-180.

► Features work on Colorado River in Grand Canyon, including cover photo.

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Pitts, Kristen Leah

2008 ☆ 19.5313 *Assessing threats to native fishes of the lower Colorado River basin.* Master's thesis, Kansas State University, 85 pp.

Podmore, Amanda

2025 19.7008 The future of the Grand Canyon's fish. *Colorado Plateau Advocate*, (Spring/Summer): 26-29.

Pool, Thomas Kendall

2010 11.7792 Taxonomic and functional homogenization of fishes in the lower Colorado River basin [ABSTRACT]. *In: Aquatic Sciences: Global Changes from the Center to the Edge : abstract book, 2010 Summer Meeting, Joint Meeting with ASLO and NABS, 6-11 June 2010, Santa Fe, NM, USA*, p. 186. [Association for the Sciences of Limnology and Oceanography. North American Benthological Society.]

2012 11.12073 *Conservation biogeography of fish faunas in the lower Colorado River basin.* Doctoral dissertation, University of Washington, 164 pp.

Pool, Thomas K., AND Olden, Julian D.

2015 11.13966 Assessing long-term fish responses and short-term solutions to flow regulation in a dryland river basin. *Ecology of Freshwater Fish*, 24: 56-66.

▶ Bill Williams River basin, Arizona.

Pool, Thomas K.; Olden, Julian; Whittier, Joanna; AND Paukert, Craig

2010 11.2072 Environmental drivers of fish functional diversity and composition in the lower Colorado River basin. *Canadian Journal of Fisheries and Aquatic Sciences*, 67 (November): 1791-1807.

Portz, Donald E.

2009 11.4560 *Stress inducing factors of bonytail hatchery and stocking practices.* Denver: U.S. Bureau of Reclamation, Denver Technical Service Center, 44 pp. (Lower Colorado River Multi-Species Conservation Program.)

Portz, Donald E., AND Tyus, Harold

2004 ☆ 19.2501 Fish humps in two Colorado River fishes: a morphological response to cyprinid predation? *Environmental Biology of Fishes*, 71(3): 233-245.

▶ *Gila cypha* and *Xyrauchen texanus*.

Portz, Donald E.; Hobbs, James A.; AND Ikemiyagi, Naoaki

2010 11.4597 *Stable isotope and microchemistry analyses of fin rays to determine habitat use and movement patterns of razorback sucker (*Xyrauchen texanus*) in Reach 3.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 14, 12 pp.

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Portz, Donald E.; Siegle, Rebecca; AND Lantow, Jeff

2011 11.4587 *Razorback sucker aging and stocking population assessment, 2008-2009 annnual report.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 12, [12] pp.

Potera, Carol

2005 11.15644 Reverse osmosis moves forward. *Environmental Health Perspectives*, 113(1) (Januarty): A 25.

► Includes remark by Shane Snyder, regarding the health of fish in Las Vegas Bay, Lake Mead.

Potochnik, Andre R., AND Kaplinski, Matt

2002 19.2267 Long term decline of sediment and native fish initiate proposed experimental flows for Glen Canyon Dam. *Boatman's Quarterly Review*, 15(2) (Summer): 34-35.

Poulos, Helen M., AND Chernoff, Barry

2014 11.11703 Potential range expansion of the invasive red shiner, *Cyprinella lutrensis* (Teleostei: Cyprinidae), under future climatic change. *Open Journal of Ecology* (Wuhan, Hubei Province, China), 4: 554-564.

Protiva, Frank R., AND Valdez, Richard

1994 19.1347 Regulated river influences on the thermal boundary at tributary confluences: *Gila cypha* reproduction in the Little Colorado River [ABSTRACT]. *North American Benthological Society, Bulletin*, 11(1): 178.

Protiva, Frank R.; Ralston, Barbara E.; Stone, Dennis M.; Kohl, Keith A.; Yard, Michael D.; AND Haden, G. Allen

2010 19.3232 Effects of Glen Canyon Dam discharges on water velocity and temperatures at the confluence of the Colorado and Little Colorado rivers and implications for habitat for young-of-year humpback chub (*Gila cypha*). *U.S. Geological Survey, Open-File report 2010-1137*, 24 pp.

R

Ralston, Barbara E.

2001 19.2062 Native fish, science and management in the Colorado River ecosystem: Where are we? [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America*

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts. [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 31. (Glen Canyon Dam Adaptive Management Program.)

Ralston, Barbara E., AND Wegner, David L.

1996 19.1353 Effects of habitat/building flows on backwater habitat along the Colorado River, below Glen Canyon Dam [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 77(46, Supplement): F272.

Randall, Robert, AND Thorson, Mitch

2010 11.3759 Population estimates and water quality summary for native fish backwater habitats (2009-2010) [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 21.

Reger, S.; Tinning, K.; AND Piest, L.

1989 19.1381 *Colorado River Lee's Ferry fish management report, 1985-1988.* Phoenix: Arizona Game and Fish Department.

Regina, Tom

2006 19.4023 Fish beneath 1000-foot sandstone cliffs. *First Coast Fly Fisher* (Jacksonville, Florida), (January): 3.

► Lees Ferry.

Reiner, Matt

2001 19.3775 Matt Reiner: Lees Ferry Anglers employee. *In:* Henry, Alex S., Colorado's sightfishing mecca. *The Western Flyfisher*, (June): 14. [Quotation sidebar.]

Renner, Julianne, AND Day, Julie L.

2022 11.18897 Checklist of aquatic non-native and invasive species in Lakes Mead and Mohave. *BioInvasions Records*, 11(1): 136-148 + data accessible online (Excel file) at https://www.reabic.net/journals/bir/20212/Supplements/BIR_2022_Renner_Day_SupplementaryMaterial.xlsx [however, not accessible on 14 February 2022].

► Includes fish. Lake Mead, Lake Mohave.

Richards, Merton T., AND Wood, D. Brent

1985 19.5939 The economic value of sportfishing at Lees Ferry, Arizona. *In:* Johnson, R. Roy, Ziebell, C. D., Paton, D. R., Ffolliott, P. F. and Hamre, R. H. (eds.), Riparian ecosystems and their management; reconciling conflicting uses; Proceedings of the First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, General Technical Report 120*, pp. 219-222.

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Ring, Ray

2006 19.2613 Tiny stream invaders may harm Western trout; researchers tackle a problem likely to be spread by hatcheries and anglers. *High Country News*, 38(2) (February 6): 4.

► New Zealand mud snails.

Rinne, John M.

1993 ☆ 19.6669 A wildlife viewpoint. Southwestern riparian-stream areas: Habitats for fishes. *In:* Tellman, Barbara, Cortner, Hanna J., Wallace, Mary G., DeBano, Leonard F., and Hamre, R. H. (Technical Coordinators), Riparian Management: Common Threads and Shared Interests, a western regional conference on river management strategies, February 4-6, 1993, Albuquerque, New Mexico. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-226*, pp. 46-51.

Rinne, John M., AND Minckley, W. L.

1970 ☆ 19.4937 Native Arizona fishes; Part III, "Chubs". *Arizona Wildlife Views*, 17(5): 12-19.

Rinne, William E.

1991 11.2002 Opportunities for the Bureau of Reclamation in warmwater fishing and fishery management. *In:* Cooper, James L., and Hamre, R. H. (technical coordinators), Warmwater Fisheries Symposium I, June 4-8, 1991, Scottsdale, Arizona. *U.S. Forest Service, General Technical Report RM-207*, pp. 51-56.

1996 11.1945 Draft Biological Assessment of operations, maintenance, and sensitive species of the lower Colorado River. *Federal Register*, 61(73) (April 15): 16511.

Ritchie, Kathy

2013 19.3735 Fly fisherwoman; Natalie Jensen, Marble Canyon. *Arizona Highways*, 89(1) (January): 10-11.

Robinson, Anthony T.

1993 19.1393 The feeding behavior and ecology of young-of-the-year native fish in the Little Colorado River of the Grand Canyon [ABSTRACT]. *Desert Fishes Council, Proceedings*, 24: 39. [In English and Spanish.]

Robinson, Anthony T., AND Childs, Michael R.

2001 19.2248 Juvenile growth of native fishes in the Little Colorado River and in a thermally modified portion of the Colorado River. *North American Journal of Fisheries Management*, 21(4): 809-815.

2001 19.5228 Juvenile growth of native fishes in the Little Colorado River and in a thermally modified portion of the Colorado River [ABSTRACT]. *In:* Forty fifth Annual Meeting,

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April 14, 2001, University of Nevada, Las Vegas, Las Vegas, Nevada. *Arizona-Nevada Academy of Science, Proceedings*, 36: 27-28.

▶ Grand Canyon.

2001 19.2893 Juvenile growth of native fishes in the Little Colorado River: Implications for thermal modification of the Colorado River [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 55. [In English and Spanish.]

Robinson, Anthony T.; Clarkson, Robert W.; AND Forrest, Robert E.

1996 19.1394 *Spatio-temporal distribution, habitat use, and drift of early life stage native fishes in the Little Colorado River, Grand Canyon, Arizona, 1991-1994 : final report.* Phoenix: Arizona Game and Fish Department, *for* U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Flagstaff, Arizona, 69 pp.

1998 19.3141 Dispersal of larval fishes in a regulated river tributary. *American Fisheries Society, Transactions*, 127: 722-786.

Robinson, Anthony T.; Kubly, Dennis M.; AND Clarkson, Robert W.

1995 19.1395 *Limnology and the distributions of native fishes in the Little Colorado River, Grand Canyon, Arizona : final report: October 1995.* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Cooperative Agreement 9-FC-40-07940, 31 pp.

Robinson, Anthony T.; Kubly, Dennis M.; Clarkson, Robert W.; AND Creef, Edward D.

1996 19.1396 Factors limiting the distributions of native fishes in the Little Colorado River, Grand Canyon, Arizona. *Southwestern Naturalist*, 41(4): 378-387.

Roeder, Mark A.

2007 11.9268 The native freshwater fish fauna of the lower Colorado River: history and demise. *In:* Reynolds, Robert E. (ed.), *Wild, scenic and rapid: a trip down the Colorado River trough.* [No place]: California State University, Desert Studies Consortium; and LSA Associates, Inc., pp. 65-71.

Rogers, Mark

2008 19.4277 Mark Rogers, Ph.D[.] (2007). *In:* Colorado River fisheries: Summer field experiences of FAS graduate students. *WaterWorks* (University of Florida, Institute of Food and Agricultural Sciences, Department of Fisheries and Aquatic Sciences), (January): 2.

Rogers, Roland Scott [Rogers, R. Scott; Rogers, Roland S.]

Rogers, R. Scott

2005 19.2570 Electrofishing in the Grand Canyon, 2000-2005, status and trends [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 69.

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2008 19.2770 Changes in the Grand Canyon flannelmouth sucker population during a period of reduced salmonid densities and warmer water temperatures [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 45.

Rogers, R. Scott, AND Hamill, John F.

2015 19.48733 Management of a tailwater trout fishery downstream of Glen Canyon Dam [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 73.

Rogers, R. Scott, AND Makinster, Andy

2008 19.2985 Grand Canyon salmonid monitoring; a case study in sampling design [ABSTRACT]. *American Fisheries Society, Western Division, 2008 Abstracts, Portland, OR, May 5-9, 2008*, p. 491.

Rogers, R. Scott; Hurteau, Sarah R.; Makinster, Andrew S.; AND Persons, William R.

2008 19.2766 Preliminary results of rainbow trout movement during the 2008 high flow experiment [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 42-43.

Rogers, R. Scott; McKinney, Ted; AND Ayers, Andrew D.

1997 19.1398 Experimental flooding and rainbow trout in the tailwater of a regulated river. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, pp. 54-55.

Rogers, Ronald J. [Rogers, Ron J.]

Rogers, Ron J.; Albrecht, Brandon; AND Kegerries, Ron

2019 11.17363 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2018-2019 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [109 pp. total].

2021 11.18525 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2019-2020.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [115 pp. total].

Rogers, Ronald; Albrecht, Brandon; Kegerries, Ronald; Mohn, Harrison; McKinstry, Mark; Healy, Brian; AND Schelly, Robert

2018 19.6027 Native fish dominance in the Grand Canyon, Arizona [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program :*

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14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA, pp. [21]-[22].

Rogers, Ron J. [Rogers, Ronald J.]**; Albrecht, Brandon; Loomis, Eric; AND Handtke, Justin**

2021 11.18942 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2020-2021 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [127 pp. total].

Rogers, Ron J. [Rogers, Ronald J.]**; Albrecht, Brandon; AND Mohn, Harrison E.**

2019 11.16812 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2016-2017 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [93 pp. total].

Rogers, Ron J. [Rogers, Ronald J.]**; Albrecht, Brandon; Mohn, Harrison E.; AND Kegerries, Ron**

2019 11.16813 *Razorback sucker (*Xyrauchen texanus*) studies on Lake Mead, Nevada and Arizona : 2017-2018 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, SEPARATELY PAGINATED SECTIONS [100 pp. total].

Rogers, Ronald J.; Shattuck, Zachary; AND Albrecht, Brandon

2014 11.7686 Movement and habitat associations of sonic-tagged juvenile razorback sucker, *Xyrauchen texanus*, in Lake Mead, Nevada, U.S.A. [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico*.

Rogers, Ronald J.; Shattuck, Zachary; Albrecht, Brandon; AND Holden, Paul

2011 11.13312 Razorback sucker (*Xyrauchen texanus*) monitoring on Lake Mead[,] Nevada and Arizona, 2011 [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 43rd Annual Meeting, 08-12 November 2011, Hermosillo, Sonora, México*, pp. 3-4.

Rogowski, David L.

2014 19.4586 Little fish, big river—dam operations and fish life history [ABSTRACT]. *Desert Fishes Council, 46th Annual Meeting, November 19-23, San Jose del Cabo, Baja California Sur, Mexico*.

► Rainbow trout in Colorado River below Glen Canyon Dam.

2017 19.5740 Humpback chub—range expansion in the lower Grand Canyon or better sampling? [ABSTRACT]. *In: 50th Joint Annual Meeting, Arizona/New Mexico Chapter of the American Fisheries Society and Arizona and New Mexico Chapters of the Wildlife Society, February 9-11, 2017, Farmington, New Mexico : Celebrating 50 Years of Fish and Wildlife Management in Arizona and New Mexico.* [No imprint], [unpaginated].

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Rogowski, David L., AND Boyer, Jan K.

2018 19.5746 Nonnative fish in the Colorado River, Grand Canyon [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 35-36. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

2018 19.6025 Hope in a highly regulated river: Native fish recovery in the Colorado River [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, pp. [16]-[17].

► Grand Canyon.

Rogowski, David L.; Fonken, Dale R.; Rogers, Ronald J.; AND Albrecht, Brandon

2025 11.19558 Consequences of a drying reservoir: Positive or negative effects on riverine fish? *American Fisheries Society, Transactions*, 154(2) (March): 179-191.

► Focus is on the formation and effects of Pearce Ferry Rapid in the Colorado River course within the lowering Lake Mead. "The fish assemblage upstream of the rapid was dominated by native fishes, while nonnative fishes were more common downstream of the rapid. We documented limited upstream movement of native Razorback Sucker *Xyrauchenus texanus*, Flennelmouth Sucker *Catostomus latipinnis*, and presumed Razorback Sucker × Flannelmouth Suck hybrids. No upstream movement of native Humpback Chub *Gila cypha* or nonnative fishes occurred." (from the abstract)

Rogowski, David L.; Mohn, Harrison E.; AND Boyer, Jan K.

2017 19.5860 Humpback chub range expansion in the western Grand Canyon [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 141.

Rogowski, David L.; Osterhoudt, Robin J.; Mohn, Harrison E.; AND Boyer, Jan K.

2018 19.5998 Humpback chub (*Gila cypha*) range expansion in the western Grand Canyon. *Western North American Naturalist*, 78(1): 13-38.

Rogowski, David L.; Wolters, Pilar N.; AND Winters, Lisa K.

2015 19.5366 *Colorado River fish monitoring in Grand Canyon, Arizona—2014 annual report.* [No place]: Arizona Game and Fish Department, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 38 pp. (Cooperative Agreement G13AAC0086.)

Rogowski, David L.; Winters, Lisa K.; Wolters, Pilar N.; AND Manuell, Kristy M.

2015 19.4831 *Status of the Lees Ferry rainbow trout fishery : 2014 annual report.* Flagstaff, Arizona: Arizona Game and Fish Department, Research Branch, Colorado River Research Office, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona), 41 pp. (Cooperative Agreement G10AC00147.)

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Rosal, Charlita G.

1992 11.10615 *^{210}Po radioactivity in Lake Mead fish.* Master's thesis, University of Nevada at Las Vegas, 34 pp.

► Polonium-210 radioactivity in Lake Mead fish.

Rosen, Michael R.; Goodbred, Steven L.; Patiño, Reynaldo; Leiker, Thomas J.; AND Orsak, Erik

2007 11.1661 Investigations of the effects of synthetic chemicals on the endocrine system of common carp in Lake Mead, Nevada and Arizona. *U.S. Geological Survey, Fact Sheet 2006-3131*, 4 pp.

Rosen, Michael R.; Patiño, Reynaldo; Alvarez, David; Goodbred, Steven; AND Echols, Kathy

2014 11.6579 Evidence of endocrine disruption of common carp at Willow Beach: Do we have an answer? [ABSTRACT]. *In: 2014 Lake Mead Science Symposium.* [No imprint], p. 6.

Rosenlund, B. D.

1975 11.17368 Disinfection of hatchery influent by ozonation and the effects of ozonated water on rainbow grout. *In:* Blogoslawski, W. J., and Rice, R. C. (eds.), *Aquatic applications of ozone.* Syracuse, New York: International Ozone Institute, pp. 59-69.

► Pertains to work at Willow Beach National Fish Hatchery and Lake Mohave.

1977 11.17369 Infectious pancreatic necrosis virus at the Willow Beach NFH, Nevada, and in rainbow trout stocked into adjacent Lake Mohave. *Fish Health News*, 6(1): 10-12.

► Willow Beach National Fish Hatchery.

Rosner, Hillary

2010 11.2114 One tough sucker. The razorback sucker evolved in a wild Colorado River. Now, humans are its biggest problem—and its only hope. *High Country News*, 42(10) (June 7): 1, 2, 12-18.

Ross, Robert P., AND Vernieu, William S.

2013 19.4108 Nearshore temperature findings for the Colorado River in Grand Canyon, Arizona—Possible implications for native fish. *U.S. Geological Survey, Fact Sheet 2013-3104*, 4 pp.

Royce, William F.

1967 11.3478 Fish and fishing. *In:* Nawapa: A continental water system [FEATURE]. *Bulletin of the Atomic Scientists*, 23(7) (September): 26-27. [North American Water and Power Alliance.]

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Rudee, Lea

2010 19.3769 The future of the trout fishery at Lees Ferry on the Colorado River. *Finny Facts* (San Diego Fly Fishers), 15(12) (December): 6.

Ruhí, Albert; Olden, Julian D.; AND Sabo, John L.

2016 ☆ 19.6431 Declining streamflow induces collapse and replacement of native fish in the American Southwest. *Frontiers in Ecology and the Environment*, 14(9) (November): 465-472.

► Studied river reaches include "Colorado Paria (at Lees Ferry, AZ)", "Colorado Havasu (above Diamond Cr., AZ)", and "Virgin (at Littlefield, AZ)".

Runge, Michael C.; Bean, Ellen; Smith, David R.; AND Kokos, Sonja

2011 19.4688 Non-native fish control below Glen Canyon Dam—Report from a structured decision-making project. *U.S. Geological Survey, Open-File Report 2011-1012*, 74 pp.

Runge, Michael C.; Yackulic, Charles B.; Bair, Lucas S.; Kennedy, Theodore A.; Valdez, Richard A.; Ellsworth, Craig; Kershner, Jeffrey L.; Rogers, R. Scott; Trammell, Melissa A.; AND Young, Kirk L.

2018 19.5817 Brown trout in the Lees Ferry reach of the Colorado River—evaluation of causal hypotheses and potential interventions. *U.S. Geological Survey, Open-File Report 2018-1069*, 83 pp.

Ruppert, J. B.; Holden, P. B.; AND Abate, P. D.

1999 11.6961 Age estimation and growth of razorback sucker, *Xyrauchen texanus*, in Lake Mead, Nevada [ABSTRACT]. Estimación de edad y crecimiento del matolote jorobado, *Xyrauchen texanus*, en el Lago Mead, Nevada [RESUMEN]. *Desert Fishes Council, Proceedings*, 30: 40-41. [In English and Spanish.]

2000 11.2060 Determining age structure of the razorback sucker, *Xyrauchen texanus*, population in Lake Mead. Determinación de la estructura de edad de la población del matalote jorobado, *Xyrauchen texanus*, en el Lago Mead [ABSTRACT]. *Desert Fishes Council, Proceedings*, 21: 31-32. [In English and Spanish.]

Ryel, Ronald J., AND Valdez, Richard A.

1993 19.1422 *Development of a population model for humpback chub (*Gila cypha*) in Grand Canyon. Phase I: A feasibility evaluation.* Logan, Utah: Bio/West, Inc., *for* Glen Canyon Environmental Studies, Flagstaff, and U.S. Bureau of Reclamation, Salt Lake City, 28 pp. (Bio/West Report No. TR-250-07.)

1994 19.5523 *Development of a population model for humpback chub (*Gila cypha*) in Grand Canyon. Program Element I. A feasibility evaluation. Completion report.* Logan, Utah: Bio/West, Inc., *for* Glen Canyon Environmental Studies, Flagstaff, and U.S. Bureau of Reclamation, Salt Lake City, 26 pp. (Bio/West Report No. TR-250-09.)

1994 19.5524 *Development of a population model for humpback chub (*Gila cypha*) in Grand Canyon. Program Element II. A conceptual population model; review of conceptualmodel by*

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Grand Canyon researchers. Logan, Utah: Bio/West, Inc., *for* Glen Canyon Environmental Studies, Flagstaff, and U.S. Bureau of Reclamation, Salt Lake City, 8 pp. (Bio/West Report No. TR-250-10.)

1995 19.5525 *Life history and ecology of the humpback chub (*Gila cypha*) in the Colorado River, Grand Canyon, Arizona : Supplement No. III* [sic, *V*] *: population model.* Logan, Utah: Bio/West, Inc., *for* Glen Canyon Environmental Studies, Flagstaff, and U.S. Bureau of Reclamation, Salt Lake City, SEPARATELY PAGINATED SECTIONS [91 pp. total]. [Draft.]

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Saiki, Michael Kenichi

1976 11.641 *An ecological evaluation of game fishes at Deer Island Lake, lower Colorado River.* Doctoral dissertation, University of Arizona, 261 pp.

Saile, Bob

____ 19.3384 Lee's Ferry update; is this Arizona water a fished-out shell of its former self or a burgeoning big trout fishery? *Field and Stream* (West Edition), __: 95-96. [Article seen; issue not located. After 1985.]

St. Amant, James A.

1959 11.16354 Striped bass introduced into the Colorado River. *California Fish and Game*, 45(54): 353.

Saltzgiver, Melody J.; Marsh, Paul C.; AND Dowling, Tom E.

2010 11.3756 Genetic variation is the spice of life. Microsatellite marker analysis of Lake Mohave razorback sucker [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 20.

Santee, Ivy

2011 11.17381 Fishing the Colorado River. *In: Nevada fishing guide 2011.* Reno: Nevada Department of Wildlife, p. 24.

2014 11.7874 Southern Nevada fishing jewels. *Boulder City Magazine* (Boulder City, Nevada), (May): cover, ____.

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Saunders, Stephen C.

2000 11.17078 Endangered and Threatened wildlife and plants; Designation of critical habitat for the woundfin and Virgin River chub. *Federal Register*, 65(17) (January 26): 4140-4156. [Final rule.]

Schelly, Robert; Healy, Brian; Nelson, Clay; Vaage, Benjamin; Ward, David; Albrecht, Brandon; Kegerries, Ron; Mohn, Harrison; AND Boyer, Jan K.

2018 19.5747 Brown trout telemetry at Lees Ferry and Grand Canyon, Arizona [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 36-37. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Schelly, Robert; Omana Smith, Emily; Koller, Rebecca; AND Healy, Brian

2017 19.5873 *Bright Angel Creek comprehensive brown trout control project : October 18, 2016-February 7, 2017 : season report.* Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, *for* U.S. Bureau of Reclamation, Upper Colorado Region, 11 pp. (Interagency Agreement No. 09-AA-40-2890. NPS Research Permit No. GRCA-2010-SCI-0009.)

2021 19.6605 Might endangered Colorado pikeminnow be reintroduced to Grand Canyon? *Boatman's Quarterly Review*, 34(2) (Summer): 10-11.

Schenk, Edward R.; Healy, Brian D.; Smith, Emily O. [Omana Smith, Emily]**; Tobin, Benjamin W.; AND Tanski, Natalie**

2017 19.5863 Impacts of a recent wildfire and major flash flood on endangered humpback chub habiat, Shinumo Creek, Grand Canyon [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 147.

Schenk, Edward R.; Healy, Brian D.; Smith, Emily O. [Omana Smith, Emily]**; Tobin, Benjamin W.; Valle, Cynthia M.; AND MacKinnon, Peter D.**

2015 19.4810 Impacts of a recent wildfire and major flash flood on endangered humpback chub habitat—Shinumo Creek, Grand Canyon [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 47(7): 836.

Schleusner, Clifford James

1997 11.12988 *A field investigation of the Mittry Lake bass (*Micropterous [*sic*] salmoides*) fishery including water quality, community structure, habitat selection, and spinal injury rates associated with electrofishing.* Master's thesis, University of Arizona, 144 pp.

► *Micropterus salmoides*.

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Schmidt, John C. *see* **Smallmouth Bass Management Review Committee**

Schmidt, Ted

2015 19.6627 [Update on Lees Ferry.] *The Angling Report* (Oxpecker Enterprises, Inc., Washington, D.C.), 28(8) (August): 8.

Schooley, Jason D.

2005 11.3764 Survival of razorback sucker stocked to the lower Colorado River (Parker-Laguna): perspective on historic and present recovery efforts [ABSTRACT]. *Desert Fishes Council, 37th Annual Meeting, November 16-20, 2005, Quatro Ciénegas, Coahuila, México*, p. 16.

Schooley, Jason D., AND Marsh, Paul C.

2007 11.1333 Stocking of endangered razorback suckers in the lower Colorado River basin over three decades: 1974-2004. *North American Journal of Fisheries Management*, 27(1): 43-51.

Schooley, Jason D.; Kesner, Brian R.; Campbell, Joshua R.; Berkstedt, Judith M.; AND Marsh, Paul C.

2008 11.4559 *Survival of razorback sucker in the lower Colorado River : final project report, January 2006-April 2008.* Tempe, Arizona: Arizona State University, School of Life Sciences, Native Fish Lab, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 74, 8 pp. (Agreement No. 06-FC-30-00002.)

Schooley, Jason D.; Kesner, Brian R.; Thornbrugh, Darren J.; AND Karam, Abraham P.

2006 11.4557 *Survival of razorback sucker stocked into the lower Colorado River : final project report, October 2004-December 2005.* Tempe, Arizona: Arizona State University, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 36+ pp. [79 pp. total]. (Agreement No. 06FC300002.)

Schooley, Jason D.; Marsh, Paul C.; Kesner, Brian R.; Lee, James C.; AND Thornbrugh, Darren J.

2005 11.3765 Survival of razorback sucker stocked into the lower Colorado River (Parker-Laguna): perspective on historic and present recovery efforts [ABSTRACT]. *Desert Fishes Council, 37th Annual Meeting, November 16-20, 2005, Quatro Ciénegas, Coahuila, México*, p. 16.

Schrader, P. A.

1991 11.8322 Endangered and Threatened wildlife and plants; the razorback sucker (*Xyrauchen texanus*) determined to be an Endangered Species. *Federal Register*, 56(205) (October 23): 54957-54967.

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Seals, John M., AND Gorman, Owen T.

1994 19.1447 Habitat use by speckled dace (*Rhinichthys osculus*), bluehead sucker (*Catostomus discobolus*), and flannelmouth sucker (*Catostomus latipinnis*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 20.

1994 19.5038 Habitat use by speckled dace (*Rhinichthys osculus*), bluehead sucker (*Catostomus discobolus*), and flannelmouth sucker (*Catostomus latipinnis*) in the Little Colorado River, Arizona near Grand Canyon [ABSTRACT]. Uso del hábitat por speckled dace (*Rhinichthys osculus*), bluehead sucker (*Catostomus discobolus*), y flannelmouth sucker (*Catostomus latipinnis*) en el Pequeño Río Colorado (Little Colorado River), Arizona cerca del Gran Cañón [RESUMEN]. *Desert Fishes Council, Proceedings*, 26: 55. [In English and Spanish.]

Seals, John M.; Gorman, Owen T.; AND Leon, S. C.

1994 19.3145 Stream fish habitat studies in the Little Colorado River: a microhabitat approach [ABSTRACT]. *Desert Fishes Council, Proceedings*, 25: 14-15.

Seegert, Sarah E. Zahn; Rosi-Marshall, Emma J.; Baxter, Colden V.; Kennedy, Theodore A.; Hall, Robert O., Jr.; AND Cross, Wyatt F.

2014 19.4459 High diet overlap between native small-bodied fishes and nonnative fathead minnow in the Colorado River, Grand Canyon, Arizona. *American Fisheries Society, Transactions*, 143(4): 1072-1083 + supplemental data online (Tables S.1-S.3), doi:10.1080/00028487.2014.901250.

Senger, Brandon L., AND Sjöberg, Jon C.

2010 11.3753 Evaluation of rearing razorback suckers (*Xyrauchen texanus*) in flowing raceways at Lake Mead Fish Hatchery [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 18.

2010 11.6470 *Evaluation of flow conditioning razorback sucker in flow-through raceways at Lake Mead Hatchery.* Las Vegas: Nevada Department of Wildlife, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 20 pp.

Shapovalov, Leo, AND Dill, William A.

1950 11.5836 A check list of the fresh-water and anadromous fishes of California. *California Fish and Game*, 36(4): 382-391.

Shapovalov, Leo; Cordone, Almo J.; AND Dill, William A.

1981 11.11763 A list of the freshwater and anadromous fishes of California. *California Fish and Game*, 67(1): 4-38.

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Shapovalov, Leo; Dill, William A.; AND Cordone, Almo J.

1959 11.11764 A revised check list of fresh-water and anadromous fishes of California. *California Fish and Game*, 45: 159-180.

Sharber, Norman G., AND Carothers, Steven W.

1988 19.2215 Influence of electrofishing pulse shape on spinal injuries in adult rainbow trout. *North American Journal of Fisheries Management*, 8(1) (Winter): 117-122.

Sharber, Norman G.; Allen, Tina; AND Sande, Jack

1986 19.1479 An evaluation of bone and muscle damage in fishes exposed to electrical current in the Colorado River in Grand Canyon National Park. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 169-177.

Sharber, Norman G.; Carothers, Steven W.; Sharber, J. P.; Vos, J. C. de, Jr.; AND House, D. A.

1994 19.3796 Reducing electrofishing-induced injury of rainbow trout. *North American Journal of Fisheries Management*, 14: 340-346.

► Colorado River between Glen Canyon Dam and Lees Ferry.

Shattuck, Zachary, AND Albrecht, Brandon

2014 11.16681 *Sonic telemetry and habitat use of juvenile razorback suckers in Lake Mead : 2013-2014 annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 72 pp.

Shattuck, Zachary; Albrecht, Brandon; AND Rogers, Ron J.

2011 11.4571 *Razorback sucker studies on Lake Mead, Nevada and Arizona : 2010-2011 final annual report.* Logan, Utah: BIO-WEST, Inc., *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 61+ pp. [86 pp. total].

Sheehan, Ken; Vaage, Ben; AND Ward, David L.

2018 19.5748 Turbidity as a tool for management of rainbow trout in the Colorado River downstream of Lees Ferry [ABSTRACT]. *From:* Fisheries Abstracts Oral Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, p. 37. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Sigler, John W., AND Sigler, William F.

1994 19.1493 Fishes of the Great Basin and the Colorado Plateau: past and present forms. *In:* Harper, Kimball T., St. Clair, Larry L., Thorne, Kaye H., and Hess, Wilford M. (eds.),

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Natural history of the Colorado Plateau and Great Basin. Niwot, Colorado: University Press of Colorado, pp. 163-208.

Simpson, Hank

1998 19.2699 Stalking the wily rainbow; fly-fishing at Lees Ferry. *Flagstaff Live!*, 4(31) (August 6-12): 8-9.

► Rainbow trout.

Sixtus, Michael E.; Russell, Kendra; AND Hanna, Leslie

2015 11.8112 Composite modeling of the Halfway Wash fish barrier. *In: JFIC2015 : Sustainable Water Resources in a Changing Environment : proceedings of the Joint Federal Interagency Conference 2015 : proceedings of papers of the 5th Federal Interagency Hydrologic Modeling Conference and the 10th Federal Interagency Sedimentation Conference, Reno, NV, April 19-23, 2015*, pp. 1207-1218.

► Lower Virgin River, Nevada.

Sjoberg, Jon C.

1994 11.660 Historic distribution and current status of the razorback sucker in Lake Mead, Nevada-Arizona [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 10.

1995 11.2056 Historic distribution and current status of the razorback sucker in Lake Mead, Nevada-Arizona. Distribución histórica y situación actual del matalote jorobado en el Lago Mead, Nevada-Arizona. *Desert Fishes Council, Proceedings*, 26: 26-29. [In English, with bilingual title.]

Sjoberg, Jon C., AND Beckstrand, Mark

2008 11.1382 Opportunities for comanaging native and nonnative fishes in a Colorado River reservoir; Lake Mead, Nevada-Arizona as a case study[ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 45.

Slavik, Walter K. M.

1939 11.8391 Lake Mead—fisherman's rhapsody. *Reclamation Era*, 29(7) (July): 164-166.

► Includes facsimile illustration of a portion of newspaper clipping, "Millions of Fish to Be Planted in Boulder Dam Lake", *Mohave County Miner*, June 8, 1934.

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Smallmouth Bass Management Review Committee [Schmidt, J. C.; Pine, W. E.; Korman, J.; AND Grippo, M.]

2024 19.6997 *Review of smallmouth bass management in the Colorado River ecosystem : final report.* [No place]: Utah State University, Center for Colorado River Studies, 67 pp.

► Downstream from Glen Canyon Dam.

Smith, Ian A.

2007 19.2849 *The intrinsic value of species: Why save the humpback chub?* Doctoral dissertation, University of Utah, 130 pp.

2010 19.3786 The role of humility and intrinsic goods in preserving endangered species: Why preserve the humpback chub? *Environmental Ethics*, 32(2) (Summer): 165-182.

Smith, Jonathan (JJ)

2015 11.10280 Restoring Nevada's Muddy River; efforts to clear invasive species so natives can return. *Desert Report* (Sierra Club, California and Nevada Desert Committee), (September): 10-11, 13.

Snyder, Darrel E.

1995 19.1509 Impacts of electrofishing on fish. *Fisheries*, 20(1): 26-27.

2003 19.4282 Electrofishing and its harmful effects on fish. *U.S. Geological Survey, Information and Technology Report USGS/BRD/ITR—2003-0002*, 149 pp.

► Includes Grand Canyon.

Snyder, Erin M.; Snyder, Shane A.; Kelly, Kevin L.; Gross, Timothy S.; Villeneuve, Daniel L.; Fitzgerald, Scott D.; Villalobos, Sergio A.; AND Glesy, John P.

2004 11.1268 Reproductive responses of common carp (*Cyprinus carpio*) exposed in cages to influent of the Las Vegas Wash in Lake Mead, Nevada, from late winter to early spring. *Environmental Science and Technology*, 38(23): 6385-6395.

Snyder, J. O.

1915 11.2210 Notes on a collection of fishes made by Dr. Edgar A. Mearns from rivers tributary to the Gulf of California. *U.S. National Museum, Proceedings*, 49: 573-586.

Snyder, Shane A.; Keith, T. L.; Naylor, C. G.; Staples, C. A.; AND Giesy, J. P.

2001 11.15588 Identification and quantitation method for nonylphenol and lower oligomer nonylpheno ethoxylates in fish tissues. *Environmental Toxicology and Chemistry*, 20(9) (September): 1870-1873.

► Sampled material include a common carp from Las Vegas Bay, Lake Mead.

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Spangle, Steven L.

2010 11.4965 *Final Biological Opinion on the Virgin River Gorge (Gorge) rotenone treatment between the stateline fish barrier in Washington County, Utah, and the Virgin River Gorge fish barrier, Mohave County, Arizona.* Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Services Office, 29 pp. (AESO/SE 22410-2010-F-0567.)

2011 11.4966 *Revision to Final Biological Opinion on the Virgin River Gorge (Gorge) rotenone treatment between the stateline fish barrier in Washington County, Utah, and the Virgin River Gorge fish barrier, Mohave County, Arizona.* Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Services Office, 4 pp. (AESO/SE 22410-2010-F-0567R1.)

Speas, David W.

2004 19.3151 *Effects of low steady summer flows on rainbow trout in the Lee's Ferry tailwater, 2000.* Report *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona.

2009 ☆ 19.6176 Progress on conservation measures for humpback chub and razorback sucker in the Colorado River below Glen Canyon Dam [ABSTRACT]. *Desert Fishes Council, 41st Annual Meeting, November 19-22, 2009*, pp. 14-15.

▶ Includes Lake Mead inflow area.

Speas, David W.; Persons, William R.; Ward, David L.; Rogers, R. Scott; AND Slaughter, Joe E., IV

2004 19.3152 *2001 fish investigations in the Lee's Ferry tailwater.* Flagstaff, Arizona: Arizona Game and Fish Department, Research Branch, *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 59 pp. (Cooperative Agreement 01WRAG0045.)

Speas, David W.; Walters, Carl J.; Rogers, Roland S.; AND Persons, William R.

2001 19.2070 Non-native fish monitoring activities in Glen and Grand Canyons during 2000 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 38. (Glen Canyon Dam Adaptive Management Program.)

Speas, David W.; Walters, Carl J.; Ward, David L.; AND Rogers, R. Scott

2004 19.2503 Effects of intraspecific density and environmental factors on electrofishing catchability of brown and rainbow trout in the Colorado River. *North American Journal of Fisheries Management*, 24(2): 586-596.

Speas, David W.; Ward, David L.; Rogers, R. Scott; AND Persons, William R.

2003 19.4004 *Salmonic population size, relative density and distribution in the Colorado River in Grand Canyon during 2001 with reference to sampling designs for long term monitoring.* Phoenix: Arizona Game and Fish Department, Research Branch, 39 pp. (Cooperative Agreement 02WRAG0030.)

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Sponholtz, Pamela J.

2007 19.2697 Restoring a native fish community: Mechanical removal efforts in Bright Angel Creek, Grand Canyon National Park [ABSTRACT]. *Desert Fishes Council, 39th Annual Meeting, General Program—with Abstracts*, p. 14.

Sponholtz, Pamela J., AND Healy, Brian

2012 19.4063 Translocation and monitoring of humpback chub (*Gila cypha*) in Havasu Creek, Grand Canyon. *In: Wildlife Society, Arizona-New Mexico Chapters Joint Annual Meeting, Fisheries Abstracts*, [unpaginated].

Sponholtz, Pamela J., AND Hoffnagle, Timothy L.

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Sponholtz, Pamela J., AND VanHaverbeke, D. R.

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Sponholtz, Pamela J.; Kegerries, Ron; Sjoberg, Jon; Paroz, Yvette; Blasius, Heidi; Robinson, Tony; Andersen, Matthew; AND Fitzpatrick, Lesley

2008 ☆ 19.3717 Lower Colorado River area report, November 2007-2008 [ABSTRACT]. *Desert Fishes Council, 40th Annual Meeting, November 12-16, 2008*, p. 15.

Sponholtz, Pamela J.; Mitchell, Don; Richardson, Mary; Paroz, Yvette; Hedwall, Shaula; Benedict, Chuck; Whittier, Joanna; AND Weiss, Dannette

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Sponzholtz, Pamela J.; Pillow, Michael; AND Healy, Brian

2010 19.3724 Is Havasu Creek a good candidate stream for translocating humpback chub, *Gila cypha*? [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 23.

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Sponholtz, Pamela J.; Sorensen, Jeff; Voeltz, Jeremy; Avery, Luke; Healy, Brian; Albrecht, Brandon; Paroz, Yvette; AND Knowles, Glen

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Sponholtz, Pamela J.; Voeltz, Jeremy; Mitchell, Don; Simms, Jeff; Knowles, Glen; Carter, Codey; Propst, David; AND Bonar

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Spurgeon, Jonathan J.

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Spurgeon, Jonathan J.; Paukert, Craig P.; Healy, Brian D.; Kelley, Cheryl A.; AND Whiting, Daniel P.

2015 19.4899 Can translocated native fishes retain their trophic niche when confronted with a resident invasive? *Ecology of Freshwater Fish*, 24: 456-466.

▶ Humpback chub translocation to Shinumo Creek, in Grand Canyon.

Spurgeon, Jonathan J.; Paukert, Craig P.; Healy, Brian D.; Trammell, Melissa; Speas, Dave [Speas, David W.]**; AND Omana Smith, Emily**

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Stahli, Julie W., AND Chart, Thomas E.

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▶ For Part I see Chart and Stahli (2019, ITEM NO. 19.6273); Part III, see Chart and Stahli (2019, ITEM NO. 19.6275).

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Stahr, Kristopher J.

2018 11.15997 An evaluation of three artificial structures to reduce predations on hatchery-reared bonytail and razorback suckers [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [56].

Stahr, Kristopher J., AND Mann, Ryan D.

2018 11.13760 The effect of predator recognition conditioning frequency on survival of hatchery-reared bonytail and razorback sucker [ABSTRACT]. *From:* Fisheries Abstracts Poster Presentation [SECTION]. *In: 51st Joint Annual Meeting, Arizona and New Mexico Chapters of The Wildlife Society and Arizona/New Mexico Chapter of The American Fisheries Society, February 1-3, 2018, Little America, Flagstaff, Arizona*, pp. 37-38. [*NOTE*: Each abstract section in this program erroneously begins with p. 27.]

Stanford, Jack A., AND Ward, James V.

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Starnes, W. C.

1994 19.1537 Preliminary report of results of *Gila* taxonomy project [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 29.

Steffen, Mark

2007 19.3081 Colorado River, Lees Ferry update. *The Flycaster* (Northern Arizona Flycasters, Flagstaff), (December).

► Reference to Bright Angel Creek trout, and plans for Glen Canyon Dam controlled flood release as impacting Lees Ferry trout fishery.

Stefferud, J. A.; Bettaso, R.; Minckley, C.; Stefferud, S.; Clarkson, R.; Tibbitts, T.; Myers, T.; AND Rinne J.

2001 11.1503 Lower Colorado River area report [ABSTRACT]. *Desert Fishes Council, Proceedings*, 32: 17-24. [In English and Spanish.]

Stefferud, J. A.; Young, K. L.; Clarkson, R. W.; Minckley, C. O.; Simms, J. R.; AND Sillas, A.

1999 11.6962 Lower Colorado River area report [ABSTRACT]. Informe sobre el área del bajo Río Colorado [RESUMEN]. *IDesert Fishes Council, Proceedings*, 30: 42-46. [In English and Spanish.]

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Stefferud, Sally E.; Barrett, Paul; Clarkson, Robert W.; Marsh, Paul C.; Milosovich, J.; Propst, David L.; Sponholtz, Pam J.; AND others

2005 11.2068 Lower Colorado River Area report, November 2002 to November 2003. Informé del Área de la parte baja del Río Colorado, Noviembre de 2002 a Noviembre de 2003 [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 81-83. ("Contributors to this reported included (in alphabetical order): Paul Barrett, Chuck Benedict, Scott Bonar, Rob Clarkson, doug Duncan, Julia Fonesca, Paul Marsh, John Rinne, Jerry Stefferud, Jeff Simms, Pam Sponholtz, Ann Watson, Randy Van Haverbeke, Bill Werner, Mark Whitney, and fish biologists of the Arizona Game and Fish Department.") [In English and Spanish.]

Stefferud, Sally E.; Stefferud, J.; Clarkson, R.; Heinrick, J. [Heinrich, J. E.]**; Slaughter, J.; Bettaso, R.; Whitney, M.; AND Parmenter, S.**

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Stemler, Casey

2006 19.2694 Endangered and threatened wildlife and plants; initiation of a 5-year review of Maguire Daisy, Holmgren Milk-Vetch, Shivwits Milk-Vetch, Virgin River Chub, Woundfin, and Kanab Ambersnail. *Federal Register*, 71(67) (April 7): 17900-17902.

Sterling, Terry Greene, AND Bean, Tom

2013 19.3760 Go! Fish. *Arizona Highways*, 89(3) (March): 28-35.

▶ Humpback chub.

Stevens, Lawrence E.; Johnstone, Helene C.; Martin, D.; Parnell, Roderic A.; AND Springer, Abraham E.

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2013 19.4603 Adaptive management of Colorado River fishes in Grand Canyon: An overview [ABSTRACT]. *In: American Fisheries Society, Western Division, 2013 Annual Meeting : Fisheries: Learning from the past and looking towards the future, April 15-18, 2013, Boise Centre, Boise, Idaho*.

Stewart, Bill; Rogowski, David; Osterhoundt, Robin; AND Wolters, Pilar

2013 19.5446 How long term fish monitoring programs benefit adaptive management in the Grand Canyon [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 117.

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Stewart, William T., AND Burrell, Mike

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► Lake Mohave.

Stolberg, James R. [Stolberg, Jim]

2009 11.4590 *Dissolved oxygen tolerances for egg and larval stages of razorback sucker.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 48 pp.

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Stolberg, James R., AND Horn, Michael J.

2008 11.1381 Salinity tolerances for egg and larval stages of razorback sucker [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 41.

2010 11.1869 Salinity tolerances for egg and larval stages of razorback sucker. *In:* Melis, Theodore S., Hamill, John F., Coggins, Lewis G., Jr., Grams, Paul E., Kennedy, Theodore A., Kubly, Dennis M., and Ralston, Barbara E. (eds.), Proceedings of the Colorado River Basin Science and Resource Management Symposium, November 18-20, 2008, Scottsdale, Arizona. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem. *U.S. Geological Survey, Scientific Investigations Report 2010-5135*, pp. 201-208.

Stone, Dennis Marshall

1999 19.1586 *Ecology of humpback chub (*Gila cypha*) in the Little Colorado River, near Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 141 pp.

2005 19.3167 Effect of baiting on hoop net catch rates of endangered humpback chub. *North American Journal of Fisheries Management*, 25(2): 640-645.

2008 19.2736 Fifteen years in the Grand Canyon. *Eddies* (U.S. Fish and Wildlife Service), 1(2) (Summer): 1, 2, 16-19.

► Humpback chub research.

2008 19.2772 Examination of a turbidity threshold that dictates hoop net catch rates of native fishes in the Little Colorado River, Arizona [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 53-54.

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2010 19.3723 Overriding effects of species-specific turbidity thresholds on hoop-net catch rates of native fishes in the Little Colorado River, Arizona [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 22.

Stone, Dennis M., AND Gorman, Owen T.

2006 19.2719 Ontogenesis of endangered humpback chub (*Gila cypha*) in the Little Colorado River, Arizona. *American Midland Naturalist*, 155(1): 123-135.

Stone, Dennis M., AND Sponholtz, Pam

2004 19.2851 *Translocation of young-of-year humpback chub above Chute Falls in the Little Colorado River, AZ : 2004 interim report.* Flagstaff: U.S. Fish and Wildlife Service, 23 pp. (USFWS-AZFRO-FL-05-002.)

Stone, Dennis M.; Van Haverbeke, David R.; Ward, David L.; AND Hunt, Teresa A.

2007 19.2862 Dispersal of nonnative fishes and parasites in the intermittent Little Colorado River, Arizona. *Southwestern Naturalist*, 52(1) (March): 130-137.

► With perspectives on invasion of the "perennial, lower 21 km of the LCR".

Stone, Joseph L.

1972 19.6043 *Tailwater fisheries investigations : creel census, and biological study of the Colorado River below Glen Canyon Dam, July 1, 1971 - June 30, 1972.* [No place]: Arizona Game and Fish Department, 21 pp.

Stone, Joseph L., AND Queenan, A. B.

1967 19.1587 *Tailwater fisheries investigations : creel census and limnological study of the Colorado River below Glen Canyon Dam, July 1, 1966 - June 30, 1967.* [No place]: Arizona Game and Fish Department.

Stone, Joseph L., AND Rathbun, Ned L.

1968 19.1588 *Tailwater fishery investigation : creel census and limnological study of the Colorado River below Glen Canyon Dam, July 1, 1967 - June 30, 1968.* [No place]: Arizona Game and Fish Department.

1969 19.1589 *Tailwater fisheries investigations : creel census and limnological study of the Colorado River below Glen Canyon Dam, July 1, 1968 - June 30, 1969.* [No place]: Arizona Game and Fish Department.

Strecker, Angela L., AND Olden, Julian D.

2010 ☆ 19.3719 Prioritizing present and future conservation efforts for native fishes in the lower Colorado River basin [ABSTRACT]. *Desert Fishes Council, 42nd Annual Meeting, 17-21 November 2010, Moab, Utah*, p. 8.

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▶ Lower Colorado River Basin at large; includes Grand Canyon, Virgin River, and Lower Colorado River.

Strecker, Angela A.; Olden, Julian D.; Whittler, Joanna B.; AND Paukert, Craig P.

2011 ☆ 19.4151 Defining conservation priorities for freshwater fishes according to taxonomic, functional, and phylogenetic diversity. *Ecological Applications*, 21(8) (December): 3002-3013 + *Ecological Archives* A021-135-A1 through -A8 (Appendices A-H), -S1 (Supplement) (www.esapubs.org/archive).

▶ Data from a lower Colorado River basin database for records from 1840-2009.

Strecker, Angela A.; Olden, Julian D.; Whittler, Joanna B.; AND Paukert, Craig P.

2010 ☆ 19.6704 Setting conservation priorities for native fishes in the lower Colorado River basin [ABSTRACT]. *In: Aquatic Sciences: Global Changes from the Center to the Edge : abstract book, 2010 Summer Meeting, Joint Meeting with ASLO and NABS, 6-11 June 2010, Santa Fe, NM, USA*, p. 226. [Association for the Sciences of Limnology and Oceanography. North American Benthological Society.]

Strength, Dana A.

1997 19.2852 *Travertine deposition in the Little Colorado River, Arizona and habitat for the endangered humpback chub.* Master's thesis, Northern Arizona University, 99 pp.

Strogen, Jim

2018 19.5933 Your chance to support rainbow trout stocking at Lees Ferry meeting in Marble Canyon—March 5, 5:00 to 7:00 PM. *Reel Lines* (Arizona Flycasters Club), (March): 6.

Stuart, David J.

1962 11.3434 Fish kill from underwater explosions. *U.S. Geological Survey, Technical Letter 6*, 8 pp.

▶ Includes data from Lake Mead.

Strung, Norman

1987 19.3552 Whitewater trout; for sheer excitement, nothing beats shooting the rapids to reach trout fishing at its finest. *Field and Stream*, 91(12) (April): 52, 54.

▶ See p. 54, Colorado River in Grand Canyon.

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Sturdevant, Glen E.[5]

1928 19.31 Inspecting a possible trout stream of Grand Canyon. *Grand Canyon Nature Notes*, 2(11) (April 30): cover, 1-6 [entire issue].

► Clear Creek. Unsigned, but author is Glen E. Sturdevant, as indicated in a reprint of this article in *Progressive Arizona and the Great Southwest* (Sturdevant, 1928, ITEM NO. 19.1622).

1928 19.1622 Inspecting a possible trout stream of Grand Canyon. *Progressive Arizona and the Great Southwest*, 6(6) (June): 21-23.

► Clear Creek.

1929 19.48 Clear Creek is stocked with trout. *Grand Canyon Nature Notes*, 3(7) (January 15): 3.

Suttkus, Royal D., AND Clemmer, Glenn H.

1977 19.1649 The humpback chub, *Gila cypha*, in the Grand Canyon area of the Colorado River. *Tulane University, Museum of Natural History, Occasional Papers*, (1), 30 pp.

1978 19.1650 Fishes of the Colorado River in Grand Canyon National Park. *In: Proceedings of the 1st Annual Conference on Scientific Research in the National Parks, Volume 1*, pp. 599-604.

Suttkus, Royal D.; Clemmer, Glenn H.; Jones, Clyde, AND Shoop, C. Robert

1976 19.1652 *Survey of fishes, mammals, and herpetofauna of the Colorado River in Grand Canyon.* New Orleans, Louisiana: Tulane University, *Colorado River Research Program, Technical Report 5* (Grand Canyon National Park, Colorado River Research Series, Contribution 34), 48 pp. (National Technical Information Service PB 267718/AS.) [Title-page carries title: *Survey of fishes, mammals and herpetofauna of the Colorado River and adjacent riparian areas of the Grand Canyon National Park*.]

SWCA, Inc., AND Grand Canyon Wildlands Council

2006 19.2879 *Bright Angel Creek and Roaring Springs Creek predator load survey and nonnative fish removal study.* SWCA, Inc., *for* U.S. National Park Service, Grand Canyon National Park, 15 pp.

Swift, Camm C.; Findley, Lloyd T.; Ellingson, Ryan A.; Flessa, Karl W.; AND Jacobs, David K.

2011 11.5851 The delta mudsucker, *Gillichthys detrusus*, a valid species (Teleostei: Gobiidae) endemic to the Colorado River delta, northernmost Gulf of California, Mexico. *Copeia*, 2011(1): 93-102.

► A fresh- and brackish-water species.

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[5] Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

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Sykes, Godfrey Glenton

1948 11.5577 Fish tale from the delta. *Desert Magazine*, 11(5) (March): 21-24.

► Regarding the massive fish kill in the lower Colorado River in summer 1894.

Szyposzynski, Halina

2007 19.6099 Humpback chub: A volunteer's postscript. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 43(6) (November/December): 8.

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Tallon, James

1966 19.2650 Fishing Glen Canyon. *Western Gateways*, 6(2): 16-.

► Glen Canyon Dam to Lees Ferry.

Tanski, Natalie

2017 19.5883 Impacts of a recent wildfire and major flash flood on endangered humpback chub habitat—Shinumo Creek, Grand Canyon [ABSTRACT]. *Annual Symposium : Arizona Hydrological Society : Flagstaff, Arizona, High Country Conference Center, September 6-9, 2017*.

Taubert, Bruce D.

1985 11.875 Lake Mead—50 years of learning; the story of an atypical fishery. *Arizona Wildlife* (Arizona Game and Fish Department), 1985: 12-13, 45.

Tennant, Laura A.; Vaage, Ben M.; AND Ward, David L.

2019 19.6444 An evaluation of sedatives for use in transport of juvenile endangered fishes in plastic bags. *Journal of Fish and Wildlife Management*, 10(2) (December): 532-543 + Supplemental Material online ("Data S1", Excel file; https://doi.org/10.3996/032019-JFWM-016.S1) and hyperlinks to Reference S1 to Reference S6 + Archived Material ("Data A1", "Juvenile native fish and sedative data from a laboratory and field experiment", U.S. Geological Survey Data Release, https://doi.org/10.5066/P9QU97R1).

► Pertains to work on translocation of juvenile humpback chub from Little Colorado to Shinumo Creek and Havasu Creek.

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Terrell, Terry

1999 11.17077 Notice of availability of the Draft Environmental Assessment of designation of critical habitat for the woundfind (*Plagopterus argentissimus*) and Virgin River chub (*gila seminuda*) within the Virgin River Basin. *Federal Register*, 64(152) (August 9): 43206-43207.

Theodore Roosevelt Conservation Partnership

2015 19.5343 This blue-ribbon trout fishery in Arizona needs a top-rate plan—and champions. *In:* Catchy Releases [SECTION]. *Santa Cruz Fly Fishermen Monthly Newsletter* (Santa Cruz, California), (May): 4.

► Lees Ferry.

Thieme, Michele Lorraine

1998 19.1667 *Movement and recruitment of flannelmouth suckers in the Paria and Colorado Rivers.* Master's thesis, University of Arizona, 153 pp.

Thieme, Michele, AND McIvor, Carole C.

1997 19.1669 Response of flannelmouth sucker in the Paria River to an experimental spike flow in the Colorado River below Glen Canyon Dam. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 63.

1997 19.1670 Response of flannelmouth sucker in the Paria River to an experimental spikeflow in the Colorado River below Glen Canyon Dam. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, p. 87.

Thieme, Michele; MicIvor, Carole C.; Bouder, M. J.; AND Hoffnagle, Timothy L.

2001 19.2167 Effects of pool formation and flash flooding on relative abundance of young-of-year flannel mouth suckers in the Paria River, Arizona. *Regulated Rivers: Research and Management*, 17(2): 145-156.

Thompson, Emily; Yard, Michael D.; AND Coggins, Lewis G.

2005 19.2571 Inter- and intra-annual differences in rainbow and brown trout diet near the Little Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 43.

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Thompson, Jay M.; Bergersen, Eric P.; Carlson, Clarence A.; AND Kaeding, Lynn R.

1991 11.12089 Role of size, condition, and lipid content in the overwinter survival of age-0 Colorado squawfish. *American Fisheries Society, Transactions*, 120: 346-353.

► Population hatched at Dexter National Fish Hatchery, New Mexico, reared at Willow Beach National Fish Hatchery, Arizona, and transferred to experimental chamber at Fort Collins, Colorado.

Thompson, John D.; Jodice, Patrick G. R.; Dennerline, Donald E.; AND Childs, Dawn E.

2021 19.6649 (EDS.) Cooperative Fish and Wildlife Research Units program—2020 research abstracts [ABSTRACT]. *U.S. Geological Survey, Circular 1477*, 200 pp.

► See "Fish Population Models; Colorado Cooperative Fish and Wildlife Research Unit" (p. 173) (humpback chub in Colorado and Little Colorado Rivers); "Bureau of Reclamation and the National Park Service—efficacy of conservation actions for native fishes in tributaries of the Colorado River, Grand Canyon; Utah Cooperative Fish and Wildlife Research Unit" (pp. 182-183).

Thornbrugh, Darren J., AND Schooley, Jason D.

2000 11.12273 *Razorback sucker surveys above Palo Verde Dam. CRIT trip report: 1 mile reach upstream of Palo Verde Diversion Dam, Parker Division, 7-9 June, 2004, 28-30 June, 2004.* (Submitted by Paul C. Marsh.) Tempe, Arizona: Arizona State University, *for* Colorado River Indian Tribes; [California?] Department of Fish and Game; and U.S. Bureau of Reclamation, Yuma, Arizona, 6 pp. (Permit No. 2004004.)

Tiersch, Terrence R.; Figiel, Chester R., Jr.; Wayman, William R.; Williamson, J. Holt; Carmichael, Gary J.; AND Gorman, Owen T.

2000 11.17403 Cryopreservation of sperm of the endangered razorback sucker. *In:* Tiersch, Terrence R., and Mazik, Patricia M. (eds.), *Cryopreservation in aquatic species.* Baton Rouge, Louisiana: World Aquaculture Society, pp. 117-122.

Tomelleri, Joseph R.

2008 11.13970 (ILLUSTRATOR) *Nevada native fishes.* [No place]: U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, Nevada Department of Conservation and Natural Resources, U.S. Geological Survey, Nevada Natural Heritage Program, Nevada Department of Wildlife, [poster, extensive text on verso].

Tooker, Jack

1933 19.6660 Trout fishing in the Grand Canyon National Park. *Santa Fe Magazine*, 27(6) (May): 25-27.

► Recounts the events of a June (1932?) trip by 22 people to Bright Angel Creek, which was stocked with rainbow and Dolly Varden trout. Identifies the members of the two parties, including Congressman Lewis W. Douglas.

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Trammell, Melissa

2000 19.2010 Preliminary results of the LSSF on native fishes in the Grand Canyon. *Boatman's Quarterly Review*, 13(4) (Winter): 14-15. [Issue distributed late January 2001.]

► Low Steady Summer Flows. See also comment by Barry D. Gold, *BQR* 14(1): 4.

2008 19.4825 Fish management in national park units along the Colorado River [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 46.

2010 19.3243 Fish management in national park units along the Colorado River. *In:* Melis, Theodore S., Hamill, John F., Coggins, Lewis G., Jr., Grams, Paul E., Kennedy, Theodore A., Kubly, Dennis M., and Ralston, Barbara E. (eds.), Proceedings of the Colorado River Basin Science and Resource Management Symposium, November 18-20, 2008, Scottsdale, Arizona. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem. *U.S. Geological Survey, Scientific Investigations Report 2010-5135*, pp. 235-244.

Trammell, Melissa, AND Healy, Brian

2017 19.5944 Grand Canyon has robust population of humpback chub. *Swimming Upstream* (U.S. Fish and Wildlife Service, Upper Colorado River Endangered Fish Recovery Program), (Field Report 2017): 4-5.

Trammell, Melissa; Healy, Brian; Omana Smith, Emily; AND Sponholtz, Pamela

2012 19.4056 Humpback chub translocation to Havasu Creek, Grand Canyon National Park; implementation and monitoring plan. *U.S. National Park Service, Natural Resource Report NPS/GRCA/NRR-2012/586*, vi, 26 [28] pp.

Trammell, Melissa; Healy, Brian; Omana Smith, Emily; AND Spurgeon, Jon

2011 19.5675 Humpback chub translocations in Grand Canyon National Park [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 43rd Annual Meeting, 08-12 November 2011, Hermosillo, Sonora, México*, p. 12.

Trammell, Melissa; Healy, Brian; AND Young, Kirk

2024 19.7005 Smallmouth bass: Not a small threat to the Grand Canyon. *Intermountain Park Science* (U.S. National Park Service), 2(1):.

Trammell, Melissa; Valdez, Richard A.; Carothers, Stephen W.; AND Ryel, Ron [Ryel, Ronald J.]

2001 19.2071 Effects of a Low Steady Summer Flow experiment on native fishes in the Colorado River in Grand Canyon, Arizona [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 42. (Glen Canyon Dam Adaptive Management Program.)

2002 19.3153 *Effects of a low steady summer flow experiment on native fishes of the Colorado River in Grand Canyon, Arizona.* SWCA Environmental Consultants, *for* U.S. Geological Survey, Grand Canyon Monitoring and Research Center, Flagstaff, Arizona.

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Trombley, Carolyn

2017 11.16004 Endangered endemic cyprinid minnow exhibits different spatial and temporal abundance patterns than other native and invasive species in a perennial desert stream [ABSTRACT]. *OE3C 2017 : Ontario Ecology, Ethology and Evolution Colloquium, may 18-20, 2017, Queen's University, Biosciences Complex*, p. [2].

► Woundfin (*Plagopterus argentissimus*) in Virgin River.

Tuckfield, Chris

2002 19.4025 Marble Canyon. *Air Mail* (Utah Back Country Pilots), 2(2) (October): 3.

► Fishing Lees Ferry, by "The on the fly fisherman".

Tyler, Carol F., AND Williamson, Robert R.

1932 19.1706 Trout propagation in Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(2): 11-15.

Tyus, Harold M.

1991 11.883 Ecology and management of the Colorado squawfish. *In:* Minkley, W. L., and Deacons, J. E. (eds.), *Battle against extinction: Native fish management in the American West.* Tucson: University of Arizona Press, pp. 379-402.

1991 11.1826 Management of Colorado River fishes. *In:* Cooper, J. L. and Hamre, R. H. (eds.), Warmwater Fisheries Symposium I. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-207*, pp. 175-182.

1992 11.1087 An instream flow philosophy for recovering endangered Colorado River fishes. *Rivers*, 3(1): 27-36.

1992 ☆ 19.1708 Endangered and threatened wildlife and plants; determining critical habitat for the Colorado River endangered fishes: Razorback sucker, Colorado squawfish, humpback chub, and bonytail chub; document availability and reopening of public comment period. *Federal Register*, 58(177) (September 15): 48351-48352.

► See also correction by Blanchard (59(48) (March 15, 1993): 13732; ITEM NO. 19.272).

1998 11.18682 *Razorback sucker (*Xyrauchen texanus*) : recovery plan.* Boulder, Colorado: University of Colorado at Boulder, Center for Limnology, *for* U.S. Fish and Wildlife Service, Region 6, Denver, 76 pp.

Tyus, Harold M., AND Saunders, J. F., III

2000 ☆ 19.2743 Nonnative fish control and endangered fish recovery: lessons from the Colorado River. *Fisheries*, 9: 17-24.

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Ulepic, C. R., AND Lenon, N. E.

2008 11.1402 Backwater site selection for razorback sucker (*Xyrauchen texanus*), bonytail (*Gila elegans*), and flannelmouth sucker (*Catostomus latipinnis*) habitat creation, in support of the Lower Colorado River Multi-Species Conservation Program [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 94-95.

Ulibarri, Manuel E., AND Knight, William

2010 19.6182 *Establishing a refuge population of endangered humpback chub (*Gila cypha*) at the Dexter National Fish Hatchery and Technology Center : 2009 progress report.* Dexter, New Mexico: U.S. Fish and Wildlife Service, Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, 7, 1 pp.

► Regarding the establishment of a refuge population of Grand Canyon humpback chub.

2011 19.6183 *Establishing a refuge population of endangered humpback chub (*Gila cypha*) at the Dexter National Fish Hatchery and Technology Center : 2010 progress report.* Dexter, New Mexico: U.S. Fish and Wildlife Service, Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, 7 pp.

► Regarding the establishment of a refuge population of Grand Canyon humpback chub.

2012 19.6184 *Establishing a refuge population of endangered humpback chub (*Gila cypha*) at the Dexter National Fish Hatchery and Technology Center : 2010 progress report.* Dexter, New Mexico: U.S. Fish and Wildlife Service, Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, 7 pp.

► Regarding the establishment of a refuge population of Grand Canyon humpback chub.

2013 19.6185 *Establishing a refuge population of endangered humpback chub (*Gila cypha*) at the Dexter National Fish Hatchery and Technology Center : 2012 completion report.* Dexter, New Mexico: U.S. Fish and Wildlife Service, Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program, 6 pp.

► Regarding the establishment of a refuge population of Grand Canyon humpback chub.

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Ulmer, Linda C.

1987 11.12855 Management plan for the razorback sucker (*Xyrauchen texanus*) in California [ABSTRACT]. *From:* Seventeeth Annual Symposium, Death Valley National Monument Headquarters, Furnace Creek, California, November 14-16, 1985. *In:* Pister, Edwin P. (ed.), *Proceedings of the Desert Fishes Council : Volumes XVI-XVIII : the Sixteenth-Eighteenth Annual Symposia.* Bishop, California: Desert Fishes Council, *in cooperation with* University of Nevada, Las Vegas [*Desert Fishes Council, Proceedings*, 16/18]: 183.

Umek, John; Chandra, Sudeep; Rosen, Michael; Wittmann, Marion; Sullivan, Joe; AND Orsak, Erik

2010 11.2252 Importance of benthic production to fish populations in Lake Mead prior to the establishment of quagga mussels. *In:* Special Issue: Lake Mead Limnology and Ecosystem Management. *Lake and Reservoir Management*, 26(4): 293-305.

U.S. Bureau of Fisheries

1910 19.3187 The distribution of fish and fish eggs during the fiscal year 1909. *U.S. Bureau of Fisheries, Document 728*, 103 pp.

► See p. 38; 2,000 "Fingerlings, yearlings, and adults" of brook trout distributed to Bright Angel Creek, Grand Canyon. No further data.

1910 19.3188 The distribution of fish and fish eggs during the fiscal year 1910. *U.S. Bureau of Fisheries, Document 740*, 112 pp.

► See p. 40; 3,750 "Fingerlings, yearlings, and adults" of blackspotted trout distributed each to Hull Pond and Little Hull Pond, Grand Canyon. No further data.

U.S. Bureau of Land Management, Resident Fish Team

1993 11.5089 *Resident fish habitat management.* [No place]: U.S. Bureau of Land Management, 75 pp. (U.S. Bureau of Land Management, Fish and Wildlife 2000, National Strategy Plan Series.) (BLM/SC/PL-93/003+6700.)

► See "Arizona", pp. 31-33; "California", pp. 35-37.

U.S. Bureau of Land Management, Southern Nevada District Office, Las Vegas Field Office

2012 11.10284 *Muddy River fish barrier project. General location : the proposed project area is generally located on the Muddy River, near Glendale, Nevada.* Las Vegas: U.S. Bureau of Land Management, Southern Nevada District Office, Las Vegas Field Office, 40 pp. (Environmental Assessment DOI-BLM-NV-S010-2012-0080-EA.)

2012 11.12007 *Environmental Assessment : DOI-BLM-NV-S010-2012-0146-EA : Techren Boulder City Solar Project 69kV Gen-Tie Transmission Line Project : NVN-90395.* Las Vegas: U.S. Bureau of Land Management, Southern Nevada District Office, Las Vegas Field Office, 85 pp.

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U.S. Bureau of Reclamation; U.S. Fish and Wildlife Service; AND Metropolitan Water District of Southern California

2004 11.1376 *Lower Colorado River Multi-Species Conservation Program.* Boulder City, Nevada: U.S. Bureau of Reclamation; Phoenix: U.S. Fish and Wildlife Service; and Los Angeles: Metropolitan Water District of Southern California, 5 volumes, SEPARATELY PAGINATED SECTIONS. (Also on CD-ROM.) (DOI Control No. FES 04 47. California State Clearinghouse No. 1999061029. Metropolitan Report No. 1226.) [Volume I: Final Programmatic Environmental Impact Statement/Environmental Impact Report, [535 pp. total]. Volume II: Final Habitat Conservation Plan, [506 pp. total]. Volume III: Final Biological Assessment, [462 pp. total]. Volume IV: Appendices to Volumes I-III and V, [688 pp. total]. Volume V: Responses to comments on LCR MSCP Volumes I-IV, SEPARATELY PAGINATED SECTIONS [590 pp. total].

U.S. Bureau of Reclamation; U.S. National Park Service; AND U.S. Geological Survey

2002 19.2332 *Proposed experimental releases from Glen Canyon Dam and removal of non-native fish : Environmental Assessment.* [No place]: U.S. Bureau of Reclamation, U.S. National Park Service, and U.S. Geological Survey, x, 112, 33, 1 pp.

U.S. Bureau of Reclamation, Lower Colorado River Multi-Species Conservation Program

2007 11.4757 *Colorado River fishes database management, September 1, 2004 to September 30, 2005.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 13 pp.

2007 11.4758 *Colorado River fishes database management, October 1, 2005 to September 30, 2006.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 14 pp.

2007 11.4769 *Dispersal of radio-tagged razorback suckers released into the lower Colorado River.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 53 pp.

2008 11.4761 *Continuing studies of razorback sucker genetics.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 22 pp.

2015 11.11776 *Lower Colorado River Multi-Species Conservation Program : native fish augmentation plan : 2015-2020.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, SEPARATELY PAGINATED SECTIONS [67 pp. total].

U.S. Bureau of Reclamation, Upper Colorado Basin Region

2023 19.6775 *Glen Canyon Dam/smallmouth bass flow options Draft Environmental Assessment.* Salt Lake City: U.S. Bureau of Reclamation, Upper Coloado Basin Region, SEPARATELY PAGINATED SECTIONS [158 pp. total].

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U.S. Bureau of Reclamation, Upper Colorado Region

2003 19.2427 Experimental effort to benefit native fish being expanded in canyon. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(3) (Fall): 39-40. [From website.]

2011 19.5903 *Draft Environmental Assessment : non-native fish control downstream from Glen Canyon Dam.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, 104, 40 pp.

2011 19.5769 *Environmental Assessment : non-native fish control downstream from Glen Canyon Dam.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Region, SEPARATELY PAGINATED SECTIONS [460 pp. total].

U.S. Bureau of Reclamation, Upper Colorado Regional Office

2012 19.4594 *Finding of No Significant Impact : Environmental Assessment for non-native fish control downstream from Glen Canyon Dam, Colorado River Storage Project, Coconino County, Arizona.* Salt Lake City: U.S. Bureau of Reclamation, Upper Colorado Regional Office, 17 pp. + appendices [40 pp. total].

U.S. Department of the Interior

1965 11.18775 *Quest for quality.* U.S. Department of the Interior, Conservation Yearbook, 96 pp. [See photo, p. 57, "This unique boat was designed by BSFW so that rainbow trout could be planted in Lake Mojave [*sic*]. High surface temperatures make it necessary to introduce the fish into cool subsurface water via a long discharge tube."

▶ Lake Mohave. U.S. Bureau of Sport Fisheries and Wildlife.

U.S. Department of the Interior, Central Utah Project Completion Act Office

2002 ☆ 19.6199 *Upper Colorado River Basin Fish and Wildlife Mitigation Program : Fiscal Years 1994-1998.* Provo, Utah: U.S. Department of the Interior, Central Utah Project Completion Act Office, SEPARATELY PAGINATED SECTIONS (37 pp. total).

▶ Includes Lower Colorado River and Grand Canyon projects throughout.

U.S. Environmental Protection Agency, Standards and Applied Science Division, Office of Science and Technology

1992 11.7519 *National study of chemical residues in fish.* Washington, D.C.: U.S. Environmental Protection Agency, Standards and Applied Science Division, Office of Science and Technology, 2 volumes, SEPARATELY PAGINATED SECTIONS. (EPA 823-R-92-008a, b.)

▶ Data include Colorado River below Hoover Dam (see Vol. I, p. B-3-12, and Vol. II, p. D-1-12). Tabular data only.

U.S. Fish and Wildlife Service

NO DATE 19.1714 *Aquatic study of the lower Colorado River.* U.S. Fish and Wildlife Service, *for* Water and Power Resources Service, contract 9-07-30-X0066, 278 pp.

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NO DATE	19.1715	*Aquatic study : special report on distribution and abundance of fishes of the lower Colorado River.* U.S. Fish and Wildlife Service, 157 pp.
1980	☆ 19.6060	*Aquatic study : Colorado River from Lee's Ferry to the southern international boundary and selected tributaries, Arizona, California, Nevada : special report on distribution and abundance of fishes of the lower Colorado River : final report.* Phoenix: U.S. Fish and Wildlife Service, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Boulder City, Nevada, 157 pp. (U.S. Bureau of Reclamation, Water and Power Resources Service, contract no. 9-07-03-X0066.)
2002	11.6950	*Razorback sucker (*Xyrauchen texanus*) : recovery goals : amendment and supplement to the Razorback Sucker Recovery Plan.* Denver: U.S. Fish and Wildlife Service, Mountain-Prairie Region 6, 78, 15 pp.
2005	11.4703	*Imperial National Wildlife Refuge, Imperial native fish habitat reconstruction : design workshop final report : conducted in cooperation with the Fish and Wildlife Service for Bureau of Reclamation, Lower Colorado Region.* Boulder City, Nevada: U.S. ureau of Reclamation, Lower Colorado Region, 36 pp.
2015	11.9885	*Willow Beach National Fish Hatchery.* [No place]: U.S. Fish and Wildlife Service, 1 p. [Fact sheet.]

U.S. Fish and Wildlife Service, Arizona Ecological Services Office

2015	11.9476	Endangered and Threatened wildlife and plants; Threatened species status for the headwater chub and a distinct population segment of the roundtail chub. *Federal Register*, 80(194) (October 7): 60754-60783.
2017	11.12074	Endangered and Threatened wildlife and plants; Threatened species status for the headwater chub and roundtail chub distinct population segment. *Federal Register*, 82(66) (April 7): 16981-16988. [Proposed rule; withdrawal.]

U.S. Fish and Wildlife Service, Arizona Fish and Wildlife Conservation Office

2015	19.6673	*Arizona Fish and Wildlife Conservation Office : accomplishment report : September 2015.* [No place]: U.S. Fish and Wildlife Service, Arizona Fish and Wildlife Conservation Office. ► See "Aquatic Species Conservation and Management" (pp. 2, 3), which includes humpback chub sampling in Colorado River, Grand Canyon.
2015	☆ 19.4941	*Arizona Fish and Wildlife Conservation Office : accomplishment report : October 2015.* [No place]: U.S. Fish and Wildlife Service, Arizona Fish and Wildlife Conservation Office. ► See "Conserving Aquatic Species" (pp. 2-3), including humpback chub survey in Little Colorado River and translocation above Chute Falls; "Managing Aquatic Invasive Species" (p. 4), brief item regarding green sunfish in Glen Canyon upstream from Lees Ferry. Also see "Enhancing Recreation Fishing and Public Use of Aquatic Resources" (p. 4), including note of electrofishing survey in Lake Mead.

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U.S. Fish and Wildlife Service, Colorado Cooperative Fish and Wildlife Research Unit

2017 19.5415 Fish population models for the Little Colorado River from integrated data sources [ABSTRACT]. *In:* Dennerline, Donald E., and Childs, Dawn E. (eds.), U.S. Geological Survey coopertive fish and wildlife research units program—2016 research abstracts. *U.S. Geological Survey, Circular 1427*, p. 49.

► Despite title noting Little Colorado River, abstract reads (in entirety): "Understanding how animal populations are responding to environmental change often requires monitoring at broad spatial scales and in remote locations. The project intends to focus on applying models to endangered native fish in the Grand Canyon reach of the Colorado River, especially humpback chub, but potentially including bluehead suckers and flannelmouth suckers. Insights gained from the modeling can help inform ongoing AM experimentation in Glen and Grand Canyons."

U.S. Fish and Wildlife Service, Ecological Services Program

2015 11.17082 Endangered and Threatened Wildlife and Plants; 90-day findings on 25 petitions. *Federal Register*, 80(181) (September 18): 56423-56432.

► See p. 56431, "Evaluation of a Petition To List the Virgin River Spinedace as an Endangered or Threatened Species Under the Act", which refers to the petition submitted by the Center for Biological Diversity (2012, ITEM NO. 11.17081).

U.S. Fish and Wildlife Service, Mountain-Prairie Region (6)

2002 19.3957 *Humpback chub (*Gila cypha*) : recovery goals : amendment and supplement to the Humpback chub Recovery Plan.* Denver: U.S. Fish and Wildlife Service, Mountain-Prairie Region, 71, 17 pp.

2017 19.5807 *Species status assessment for the humpback chub (*Gila cypha*).* Denver: U.S. Fish and Wildlife Service, Mountain-Prairie Region, 220 pp.

U.S. Fish and Wildlife Service, New Mexico Cooperative Fish and Wildlife Research Unit

2017 19.5416 Development and validation of a molecular screening tool to identify the presence of Asian tapeworm in imperiled southwestern native fish populations [ABSTRACT]. *In:* Dennerline, Donald E., and Childs, Dawn E. (eds.), U.S. Geological Survey coopertive fish and wildlife research units program—2016 research abstracts. *U.S. Geological Survey, Circular 1427*, p. 61.

► Colorado and Little Colorado Rivers.

U.S. Fish and Wildlife Service, Region 6

2018 11.15778 *Razorback sucker (*Xyrauchen texanus*) : 5-year review: Summary and evaluation.* Lakewood, Colorado: U.S. Fish and Wildlife Service, Region 6, 25 pp.

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U.S. Fish and Wildlife Service, Southwest Region

NO DATE 11.4852 *Willow Beach National Fish Hatchery, American Recovery and Reinvestment Act, Fact Sheet.* U.S. Fish and Wildlife Service, Southwest Region, 1 p. [Issued undated with topical variants, in the form of a serial.]

U.S. Fish and Wildlife Service, Southwest Region (2)

2005 ☆ 19.3626 *Management plan for the big river fishes of the Colorado River basin.* Albuquerque, New Mexico: U.S. Fish and Wildlife Service, Southwest Region (2), 52 pp.

U.S. Fish and Wildlife Service, Upper Colorado River Office, Endangered Fish Recovery Program

2020 19.6380 Endangered and Threatened wildlife and plants; reclassification of the humpback chub from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 85(14) (January 22): 3586-3601. [Proposed rule.]

► *Gila cypha*.

2021 19.6644 Endangered and Threatened wildlife and plants; reclassification of the razorback sucker from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 86(127) (July 7): 35708-35728. [Proposed rule.]

► *Xyrauchen texanus*.

2021 19.6671 Endangered and Threatened wildlife and plants; reclassification of the humpback chub from Endangered to Threatened with a Section 4(d) rule. *Federal Register*, 86(198) (October 18): 57588-57610. [Final rule.]

► *Gila cypha*.

U.S. Fish and Wildlife Service, Utah Field Office

2008 11.4819 *The Virgin River fishes : woundfin (*Plagopterus argentissimus*), Virgin River chub* (Gila seminuda*) : 5-year review: Summary and evaluation.* West Valley City, Utah: U.S. Fish and Wildlife Service, Utah Field Office, 71 pp.

U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station

NO DATE 19.1721 Native fishes of arid lands: a dwindling resource of the desert Southwest. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-206*, 45 pp.

U.S. Forest Service, Southwestern Region, Wildlife Habitat Management Staff Group

1975 ☆ 19.6145 *Endangered and unique fish and wildlife of southwestern national forests.* [No place]: U.S. Forest Service, Southwestern Region, 203 pp.

► Includes species distribution maps.

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U.S. Geological Survey, Grand Canyon Monitoring and Research Center

NO DATE 19.2578 *Humpback chub: Factors affecting persistence.* Flagstaff, Arizona: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, 2 pp. [2005?]

U.S. National Park Service, Glen Canyon National Recreation Area

2024 19.6994 Warmwater Nonnative Fish Management Plan/Environmental Assessment. U.S. National Park Service, Glen Canyon National Recreation Area, SEPARATELY PAGINATED SECTIONS [136 pp. total]. ("GLCA 608/194925".)

► "The Environmental Assessment (EA) evaluates actions where physical modifications of a backwater slough complex are proposed in Glen Canyon National Recreation Area . . . at the –12 mile marker on the Colorado River, located 3 miles below Glen Canyon Dam and 12 miles upriver from Lees Ferry. The proposed action is intended to disrupt warmwater non-native fish reproduction overall, with particular focus on reducing numbers of high risk (predatory) non-natived warm-water fish."

U.S. National Park Service, Glen Canyon National Recreation Area; AND U.S. National Park Service, Grand Canyon National Park

2017 19.5960 *Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam—an Environmental Assessment.* U.S. National Park Service, Glen Canyon National Recreation Area; and U.S. National Park Service, Grand Canyon National Park, [8] pp. [Scoping newsletter.]

2018 19.5961 *Expanded Non-native Aquatic Species Management Plan in Glen Canyon National Recreation Area and Grand Canyon National Park below Glen Canyon Dam—an Environmental Assessment.* U.S. National Park Service, Glen Canyon National Recreation Area; and U.S. National Park Service, Grand Canyon National Park, [3] pp. [Scoping newsletter.]

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NO DATE 19.6910 *Rapid response: Smallmouth bass surveillance and suppression.* U.S. National Park Service, Grand Canyon National Park, 2 pp. [2024.] [Fact sheet.]

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1993 19.1838 *Spawning, movement and population structure of flannelmouth sucker in the Paria River.* Master's thesis, University of Arizona, 153 pp.

Weiss, Stephen J.; Otis, Edward O.; AND Maughan, Eugene

1998 19.1839 Spawning ecology of flannelmouth sucker, *Catostomus lattipinnis* (Catostomidae), in two small tributaries of the lower Colorado River. *Environmental Biology of Fishes*, 52(4): 419-433.

► Paria River and Bright Angel Creek.

· Citations showing Item Numbers with prefix 19. indicate publications for Glen, Marble, and Grand Canyons, and Grand Canyon tributaries

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Welker, Tim L., AND Holden, Paul B.

2005 11.2069 The role of reservoir fluctuations and cover on the recruitment of razorback sucker in Lake Mead. El papel de las fluctuaciones del nivel de agua y cobertuara vegetal sobre el reclutamiento del matalote jorobado en el Lago Mead [ABSTRACT]. *Desert Fishes Council, Proceedings*, 35: 91-93. [In English and Spanish.]

Welker, Tim L.; Holden, P. B.; AND Dahle, K.

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Wesp, Heather M., AND Gibb, Alice C.

2003 11.4841 Do endangered razorback suckers have poor larval escape performance relative to introduced rainbow trout? *American Fisheries Society, Transactions*, 132: 1166-1178.

Whitaker, Bob

1985 19.1855 White-water trout of the Grand Canyon. *Outdoor Life*, 175 (April): 52-53+.

White, J. N., AND Montgomery, W. L.

1994 19.1856 Non-native predation: direct and indirect effects on Little Colorado spinedace, *Lepidomeda vittata* (Teleostei: Cyprinidae) [ABSTRACT]. *Desert Fishes Council, Program with Abstracts, 26th Annual Symposium, 17-20 November, 1994, Death Valley National Park*, p. 33.

White, Mel

1965 11.877 Fishing the desert lakes. *Westways*, 57(10, Part 1): 40-41.

Whiting, Daniel P.; Paukert, Craig P.; Healy, Brian D.; AND Spurgeon, Jonathan J.

2014 19.4692 Macroinvertebrate prey availability and food web dynamics of nonnative trout in a Colorado River tributary, Grand Canyon. *Freshwater Science*, 33(3): 872-884.

► Bright Angel Creek.

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Wilde, Gene R., AND Paulson, Larry J.

1988	11.1600	Food habits of young-of-year largemouth bass in Lake Mead and Lake Mohave, Arizona-Nevada. *Great Basin Naturalist*, 48: 485-488.
1989	11.1598	Temporal and spatial variation in pelagic fish abundance in Lake Mead determined from echograms. *California Fish and Game*, 75(4): 218-223.
1989	11.1599	Food habits of subadult striped bass in Lake Mead, Arizona-Nevada. *Southwestern Naturalist*, 34: 118-123.
2003	11.1287	Movement and dispersal of tournament-caught largemouth bass in Lake Mead, Arizona-Nevada. *Journal of Freshwater Ecology*, 18(2): 339-342.

Wilkinson, Jody, AND Wells, Tanya

NO DATE	11.17187	*Trophy fish program : 1968-2013 stream and lake records.* Reno: Nevada Department of Wildlife, Fisheries Division, 82 pp.

Williams, Cindy Deacon, AND Deacon, James E.

1998	11.9753	*Recommendations for a comprehensive Virgin River watershed and native fishes conservation program : briefing book.* [No place]: Pacific Rivers Council, 53 pp.

Williams, Jack E.

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Williams, Jack E.; Bowman, David B.; Brooks, James E.; Echelle, Anthony A.; Edwards, Robert J.; Hendrickson, Dean A.; AND Landye, Jerry J.

1985	11.12084	Endangered aquatic ecosystems in North American deserts with a list of vanishing fishes of the region. *Arizona-Nevada Academy of Science, Journal*, 20: 1-62. ► See "Colorado River, Colorado, Utah, New Mexico, Arizona, Nevada, California, Baja California del Norte and Sonora", pp. 30-32.

Williams, Ted

2003	19.5917	Role reversal on the Colorado; a different twist on clearing out aliens to save a native fish. *Fly Rod and Reel*, (April):. ► Humpback chub.

Williamson, Robert R., AND Tyler, Carol F.

1932	19.1870	Trout propagation in Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(2): 11-16.

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▶ Reprinted from *Grand Canyon Nature Notes*, May, 1932.

Wilson, Wade

2011 11.4602 *Razorback sucker broodstock evaluation and genetic monitoring : 2011 annual report.* Dexter, New Mexico: Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 13, 3, 5, pp.

2012 11.4603 *Razorback sucker broodstock evaluation and genetic monitoring : 2012 annual report.* Dexter, New Mexico: Dexter National Fish Hatchery and Technology Center, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 26 pp.

Wisenall, Jamie B.; Kesner, Brian R.; Pacey, Carol A.; AND Marsh, Paul C.

2015 11.16688 *Demographics and monitoring of repatriated razorback suckers in Lake Mohave : 2011-2014.* Tempe, Arizona: Marsh and Associates, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 56 pp.

2018 11.16689 *Demographics and monitoring of repatriated razorback suckers in Lake Mohave : 2015 annual report.* Tempe, Arizona: Marsh and Associates, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 29 pp.

2019 11.16690 *Demographics and monitoring of repatriated razorback suckers in Lake Mohave : 2016 annual report.* Tempe, Arizona: Marsh and Associates, LLC, *for* U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, Boulder City, Nevada, 34 pp.

Wolters, Pilar N., AND Rowgoski, David L.

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2018 19.6028 Should one age a warmwater fish in a coldwater system? [ABSTRACT]. *In: Desert Fishes Council : Consejo de los Peces del Desierto : 50th Annual Meeting : long program : 14-18 November 2018, Furnace Creek, Death Valley National Park, California, USA*, p. [38].

▶ Lees Ferry fishery.

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2017 19.5739 Razorback and flannelmouth sucker hybrids; hatch rates, larval survival and geometric morphometrics [ABSTRACT]. *In: 50th Joint Annual Meeting, Arizona/New Mexico Chapter of the American Fisheries Society and Arizona and New Mexico Chapters of the Wildlife Society, February 9-11, 2017, Farmington, New Mexico : Celebrating 50 Years of Fish and Wildlife Management in Arizona and New Mexico.* [No imprint], [unpaginated].

Woodward, Susan L., AND Quinn, Joyce A.

2011 19.6369 *Encyclopedia of invasive species : from Africanized honey bees to zebra mussels. Volume 1: Animals.* Santa Barbara (California), Denver (Colorado), and Oxford (England): Greenwood (ABC-CLIO, LLC), pp. i-xli, 1-320, I-1 to I-38, [1].

► Of those species with geographically pinpointed distributions reported as invasive within the boundaries of this part of the bibliography, see "New Zealand Mud Snail", *Potamopyrgus antipodarum* (pp. 73-76); "Gizzard Shad", *Dorosoma cepedianum* (pp. 168-185); "Rainbow Trout", *Oncorhynchus mykiss* (pp. 185-187); "American Bullfrog", *Lithobates catesbeianus* (pp. 205-208); "Feral Burro", *Equus asinus* (pp. 262-265).

Worley, Tex

1991 19.1899 Fish planting by moonlight in Bright Angel Creek. *Grand Canyon Pioneers Society, Newsletter*, 2(2): 5.

Wydoski, Rick, AND Lantow, Jeff

2012 11.4649 *Movements of sonic tagged razorback suckers between Davis and Parker Dams (Lake Havasu) 2007-2010.* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 35 pp.

Wydoski, Rick, AND Mueller, Gordon

2006 11.4651 *The status of razorback suckers in the Colorado River between Davis and Parker Dams (Lake Havasu), 2003 to 2005.* Denver: U.S. Bureau of Reclamation and U.S. Geological Survey, 31 pp. (Technical Memorandum 86-68220-06-19.)

Wydoski, Rick; Best, Eric; AND Lantow, Jeff

2010 11.4650 *Movements of sonic tagged razorback suckers between Davis and Parker Dams (Lake Havasu).* Boulder City, Nevada: U.S. Bureau of Reclamation, Lower Colorado Region, Lower Colorado River Multi-Species Conservation Program, 24 pp. (Technical Memorandum 86-68220-10-08.)

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Xenopoulos, Marguerite A., AND Lodge, David M.

2006 ☆ 19.6708 Going with the flow: Using species-discharge relationships to forecast losses in fish biodiversity. *Ecology*, 87(8): 1907-1914.

► Includes Colorado River.

Y

Yackulic, Charles B.

2015 19.4881 Population dynamics of humpback chub that spawn in the Little Colorado River: drivers and their implications for management [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 94-95.

2019 19.6266 Effects of high-flow events (and other factors) on salmonids. *In: High-flow experiments assessment : extended abstracts : March 2019 annual reporting meeting presentations.* [Flagstaff, Arizona]: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, pp. 42-44.

Yackulic, Charles B., AND Hull, Julia B.

2019 19.6255 Effects of water temperature, turbidity, and rainbow trout on humpback chub population dynamics. *U.S. Geological Survey, Fact Sheet 2019-3049*, 4 pp.

Yackulic, Charles B.; Korman, Josh; Yard, Michael D.; AND Dzul, Maria

2018 19.5801 Inferring species interactions through joint mark-recapture analysis. *Ecology*, 99(4) (April): 812-821 + Supporting Information online, http://onlinelibrary.wiley.com/doi/10.1002/ecy.2166/suppinfo (Appendices S1-S4, 11 pp. total) + data associated with this study available at ScienceBase, https://doi.org/10.5066/f7zc81t9 (XML and Excel files).

Yackulic, Charles B.; Pine, W. E., III; AND Yard, Michael D.

2013 19.3842 Variation in vital rates in a partial migratory system in a modified river network: Humpback chub in the lower Colorado River? [ABSTRACT]. *In: EURING 2013 Analytical Meeting and Workshop : April 28-May 4, 2013 : Athens, GA USA : program and meeting information*, p. 23.

► Meeting of the European Union for Bird Ringing (*i.e.* bird-banding). *NOTE*: Item about Colorado River-Grand Canyon fishes in a bird-banding workshop is

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correct(!) — "Lower" Colorado River pertains to the hydrological Lower Colorado Basin, below the confluence of the Paria River.

Yackulic, Charles B.; Yard, Michael D.; Korman, Josh; AND Van Haverbeke, David R.

2014 19.4445 A quantitative life history of endangered humpback chub that spawn in the Little Colorado River: variation in movement, growth, and survival. *Ecology and Evolution*, 4(7): 1006-1018 + Supporting Information online (Appendices S1-S4), 23 pp.

► Published as a part of Methods in Ecology and Evolution: Joint Special Feature: Modelling Demographic Processes in Marked Populations: Proceedings of the EURING 2013 analytical meeting (refer to Yackulic et al., 2013, ITEM NO. 19.3842).

Yamamoto, Gary, AND Tarragnat, Michel

2009 11.6599 "Dix couleurs, ça suffit bien!" Véritable légende vivante, Gary Yamamoto est mondialement reconnu par les pêcheurs de black-bass comme le fabricant de leurres souples haut de gamme, désormais distribués dans notre pays par Sakura. A cette occasion, ce pêcheur et compétiteur d'exception a accepté de nous accorder une interview. *La Pêche et les Poissons* (Paris), (March): 50-52. [In French.]

► Notes Lake Mead, p. 51.

Yao, Weiwei, AND Chen, Yuansheng

2018 19.5996 Assessing three fish species ecological status in Colorado River, Grand Canyon based on physical habitat and population models. *Mathematical Biosciences*, 298 (April): 91-104.

► Rainbow trout, brown trout, flannelmouth sucker.

Yao, Weiwei; Chen, Yuansheng; AND He, Xinlin

2017 19.5891 Glen Canyon Dam operation effects on rainbow trout habitat and population status. *Polish Journal of Environmental Studies* (Olsztyn, Poland), 27(1): 413-419.

Yao, Weiwei; Liu, Huaxian; Chen, Yuansheng; Zhang, Wenyi; Zhong, Yu; Fan, Haiyan; Li, Linkai; AND Sudeep Bamal

2017 19.5473 Simulating spawning and juvenile rainbow trout (*Onchorhynchus mykiss*) habitat in Colorado River base don high-flow effects. *Water* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 9(150), 15 pp.

► Colorado River in Glen Canyon, between Glen Canyon Dam and Lees Ferry.

Yao, Weiwei; Rutschmann, Peter; AND S. Bamal [Sudeep Bamal]

2014 19.5196 Modeling of river velocity, temperature, bed deformation and its effects on rainbow trout (*Oncorhynchus mykiss*) habitat in Lees Ferry, Colorado River. *International Journal of Environmental Research*, 8(4) (Autumn): 887-896.

Yao, Weiwei; Rutschmann, Peter; AND Sudeep [Sudeep Bamal]

2015 19.4723 Three high flow experiment releases from Glen Canyon Dam on rainbow trout and flannelmouth sucker habitat in Colorado River. *Ecological Engineering*, 75(2) (February): 278-290.

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2014 19.5197 Simulating high-flow effects (HFE) on river deformation and rainbow trout (*Oncorhynchus mykiss*) habitat. *In:* Schleiss, Anton J., De Cesare, Giovanni, Franca, Mário J., and Pfister, Michael (eds.), *River Flow 2014 : proceedings of the International Conference on Fluvial Hydraulics (River Flow 2014), Lausanne, Switzerland, 3-5 September 2014.* Boca Raton (Florida), London, New York, and Leiden: CRC Press, pp. 2471-2476.

► Lees Ferry fishery.

Yard, Michael D. [Yard, Mike]

1992 19.1910 GCES continues research on endangered fish. *Glen Canyon Environmental Studies Update*, (Winter): 1-2.

2020 19.6437 A primer of fishery studies in Grand Canyon: The nonnative fish removal story. *Boatman's Quarterly Review*, 33(1) (Spring): 8-10.

Yard, Michael D., AND Korman, Josh

2015 19.4885 Movement, abundance, survival, and growth of rainbow trout (*Oncorhynchus mykiss*) in the Colorado River in Grand Canyon [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 96.

Yard, Michael D.; Coggins, Lewis G.; AND Baxter, Colden V.

2008 19.2769 Foraging ecology of nonnative trout in the Colorado River, Grand Canyon: Predation on native fishes and the effects of turbidity [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], pp. 44-45.

2009 19.6177 Wait until dark: influence of turbidity on the foraging ecology of trout in the Colorado River, Grand Canyon [ABSTRACT]. *Desert Fishes Council, 41st Annual Meeting, November 19-22, 2009*, p. 18.

Yard, Michael D.; Coggins, Lewis G.; Baxter, Colden V.; Bennett, Glenn E.; AND Korman, Josh

2011 19.3464 Trout piscivory in the Colorado River, Grand Canyon: Effects of turbidity, temperature, and fish prey availability. *American Fisheries Society, Transactions*, 140(2): 471-486.

Yard, Michael D.; Coggins, Lewis G.; AND Gwinn, Daniel

2005 19.2575 Interactions between environment and biota that influence predation of small bodied fish near the Little Colorado River, Grand Canyon, AZ [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 44.

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Yard, Michael D.; Korman, Josh; Walters, Carl J.; AND Kennedy, Ted A.

2015 19.4803 Seasonal and spatial patterns of growth of rainbow trout in the Colorado River in Grand Canyon, AZ. *Canadian Journal of Fisheries and Aquatic Sciences*, 73(1): 125-139.

Yard, Michael D.; Yackulic, Charles B.; Korman, Josh; Dodrill, Michael J.; AND Deemer, Bridget R.

2023 19.6774 Declines in prey production during the collapse of a tailwater rainbow trout population are associated with changing reservoir conditions. *American Fisheries Society, Transactions*, 152: 35-50 + Supporting Information online.

► Lees Ferry fishery affected by drop in Lake Powell water levels.

Yeager, Mike

1999 19.1913 *Flies of the Southwest : for lakes (and streams).* Portland, Oregon: Frank Amato Publications, Inc., 64 pp.

► Fishing lures.

Young, Kirk L.

1996 11.16420 Arizona Game and Fish Department activity report [ABSTRACT]. *Desert Fishes Council, Proceedings*, 27: 97-98. (Desert Fishes Council, 1995 Annual Symposium, 16-19 November, Peppermill Hotel Casino, Reno, Nevada, U.S.A.) [In English and Spanish.]

Young, Kirk L., AND Marsh, Paul C.

1990 11.10035 Age and growth of flathead catfish in four southwestern rivers. *California Fish and Game*, 76(4): 224-233.

► Study areas include the Colorado River between Laguna Dam and Morelos Dam.

Yurcik, Veronica M.

1985 19.1919 Distribution and abundance of native and exotic fish species in the Colorado River, Grand Canyon, Arizona. *In:* House, Dorothy A. (ed.), *Colorado River Investigations III : July/August 1984* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 3-22.

1986 19.1920 Distribution and abundance of native and exotic fish species in the Colorado River, Grand Canyon, August 1984 and 1985. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 120-168.

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BIBLIOGRAPHY OF BOTANY OF THE GRAND CANYON REGION

ANONYMOUS

PUBLICATION NOT DATED: DATE NOT DETERMINED NOR ESTIMATED

NO DATE 19.1 *Life zones and ecosystems.* Grand Canyon Natural History Association, pamphlet.

NO DATE 19.2263 Restoring the Uinkaret Mountains: Operational lessons and adaptive management practices. *Working Papers in Southwestern Ponderosa Pine Forest Restoration* (Northern Arizona University, Ecological Restoration Institute), (1), 8 pp.

NO DATE 19.2264 Understory plant community restoration in the Uinkaret Mountains, Arizona. *Working Papers in Southwestern Ponderosa Pine Forest Restoration* (Northern Arizona University, Ecological Restoration Institute), (2), 4 pp.

PUBLICATION NOT DATED: DATE ESTIMATED, ATTRIBUTED, OR KNOWN FROM ORIGINAL RECEIPT

NO DATE 19.3 *Aliens invade Grand Canyon!* [U.S. National Park Service, Grand Canyon National Park], [2] pp. [Copy received from Grand Canyon, 1995.] [Fact sheet.]

► Non-native plants.

NO DATE 19.4386 *Adventurers and Scientists for Conservation : 2011 highlights.* [No place]: Adventurers and Scientists for Conservation, 21 pp. [2012?]

► See pp. 10-11, "Featured Connection; Grand Canyon Diatom Sampling; Arizona". Lucy Marcus.

NO DATE 19.5193 *Native plants of the Vermilion Cliffs.* [No place]: Grand Canyon Trust, Friends of the Cliffs, and U.S. Bureau of Land Management, folded brochure. [2016.]

Anonymous *(continued)*

DATED PUBLICATIONS, GROUPED BY YEAR

1894 19.3612 [Notice of description of *Ostrya knowltonii* Cov. from Grand Canyon.] *In:* News and Notes [SECTION]. *Botanical Gazette*, 19(5) (May): 212.

1895 19.4815 [Marcus E. Jones.] *In:* De Alumnis [SECTION]. *The Unit* (Iowa College), 10(4) (February 23): 39.

► "A letter from Marcus E. Jones [class of 1875] informs us that he will be in Washington until May and that his book on the botany of the Grand Canyon district will be out soon thereafter." (ENTIRE NOTE) *NOTE*: No monograph on the subject by the author has been identified.

1895 19.3208 New or little-known plants. Agave Utahensis. *Garden and Forest*, 8 (September 25): 384, 385.

1899 19.3231 [Forest fire on Kaibab Plateau.] *In:* Forest Fires [SECTION]. *The Forester* (American Forestry Association), 5(7) (July): 168.

► "Kanab, Utah.—Three immense forest fires swept Buckskin mountains, in northern Arizona and southern Utah. Over 100 square miles of timber on the Grand Canon forest reserve were destroyed." (ENTIRE NOTE)

1899 19.3279 [T. H. Macbride plans to work at Grand Canyon.] *In:* News [SECTION]. *Botanical Gazette*, 28(1) (July): 79.

► ". . . Professor T. H. Macbride will probably spend the summer in the Grand Cañon of the Colorado, studying the forest problems there for report to the United States Department of Agriculture, and incidentally picking up the fungi of the region." (ENTIRE NOTE)

1901 19.3180 Arizona's pine forest reserve. *The School Journal*, 62(25) (June 22): 706. [Brief note.]

1903 19.3475 The Botanical Laboratory of the Carnegie Institution. *Scientific American Supplement*, 56(1444) (September 5): 23145.

► Includes note of exploration in the bottom of Grand Canyon. Credited to *New York Times*.

1904 19.4067 Accessions. *New York Botanical Garden, Journal*, 5(49) (January): 17-24.

► See p. 23: "1 specimen of *Fraxinus* from the Grand Cañon of the Colorado. (Given by Miss Alice Eastwood.)" (ENTIRE NOTE)

1907 19.4816 Third Summer Meeting; Wareham and Lytchett Heath. *In:* The Proceedings of the Dorset Natural History and Antiquarian Field Club During the Season 1906-1907 [SECTION]. *Dorset Natural History and Antiquarian Field Club, Proceedings*, 28: lxvii-lxxviii.

► See p. lxxiv: On viewing Mariposa lilies during a field trip to Lytchett Heath, the "guide told them that when she was with her husband in the Grand Canon they rode through them as one would ride through fields of buttercups." (ENTIRE NOTE)

Anonymous *(continued)*

1909	19.6	[Untitled note.] *The Nautilus* (Philadelphia), 23(6) (November): 84. ► Entire note reads: "Messrs. Ferriss and Daniels are exploring the Kaibab and Kanab plateaus for shells and ferns. In this little-known country north of the Grand Canyon of the Colorado, they report beautiful scenery, a superb climate, and plenty of shells."
1913	19.6450	Utah's theoretical forests. *Railway and Marine News* (Seattle, Washington), 11(12) (August 1): 15. ► ". . . outside of the Panguitch pine forests, and some of the timbered section bordering on the Grand Canyon of the Colorado, and Kaibab Plateau, there is probably no marketable timber procurable in the whole state of Utah."
1913	19.3505	Timber resources of Utah. *The Timberman* (Portland, Oregon), 15(1) (November): 51. ► Includes Kaibab Plateau, Arizona.
1914	19.3506	National Forest sale. *The Timberman* (Portland, Oregon), 15(3) (January): 48. ► Government authorization of "the sale of a billion feet of timber from the Kaibab forest in southern Utah and northern Arizona . . . ." Also notes authority for the construction of a railroad by the purchasers.
1914	19.6596	Government offers billion feet of timber. *In:* Congress and Legislation [SECTION]. *American Lumberman* (Chicago), (2017) (January 10): 43-44. ► Kaibab Plateau. Also note boxed notice, p. 51, "National Forest Timber For Sale. One Billion Feet Eighty Per Cent Yellow Pine".
1914	19.6597	Kaibab National Forest timber sale. *In:* Inland Empire [SECTION]. *American Lumberman* (Chicago), (2018) (January 17): 68. ► Kaibab Plateau.
1914	19.4578	Proposed large timber sale. *In:* Pertinent Information [SECTION]. *Hardwood Record* (Hardwood Co., Chicago), 37(7) (January 25): 60. ► Kaibab Plateau.
1914	19.4602	[Kaibab Plateau timber sale.] *In:* Railway Information [SECTION]. *The Railway Conductor*, 31(2) (February): 126.
1914	19.3507	[Kaibab Plateau timber sale.] *In:* Salt Lake and Utah [SECTION]. *The Timberman* (Portland, Oregon), 15(7) (May):.
1914	19.3563	[Botanical field trip.] *In:* News Items [SECTION]. *Torreya*, 14(6) (June): 113. ► "Mr. W. W. Eggleston left New York May 8 for a trip, during May and June, to the Manti, Fillmore and Fish Lake Forests, Utah and the Kaibab Forest, northern Arizona. This latter region, north of the Grand Canon, Arizona, is very little known botanically, having been visited by Mr. Ivar Tidestrom in 1909, but perhaps not previously, by botanists." (ENTIRE ITEM)
1914	19.4576	[Kaibab Plateau timber sale.] *In:* News and Notes [SECTION]. *Forestry Quarterly*, 12(2) (June): 301-302.

Anonymous *(continued)*

1914 19.3508 [Kaibab Plateau timber sale.] *In:* Salt Lake and Utah [SECTION]. *The Timberman* (Portland, Oregon), 15(9) (July): 62.

► Plans for Southwestern Pacific Railroad (newly incorporated) to utilize Kaibab timber for a new road between Denver and San Diego. "The new line will pass through the Kaibab plateau and skirt the Grand Canyon of the Colorado in Utah and Arizona."

1914 19.4577 [Kaibab Plateau timber sale.] *In:* News and Notes [SECTION]. *Forestry Quarterly*, 12(4) (December): 647.

1915 19.4331 Flowering ashes. *Harvard University, Arnold Arboretum, Bulletin of Popular Information*, New Series, 1(6) (May 31): 23-24.

► Notes range of *Fraxinus dipetala* "as far north as the rim of the Grand Cañon of the Colorado River" (ENTIRE NOTE).

1916 19.3586 [Alice Eastwood collected plants for five days in Grand Canyon on Hermit and Grandview Trails.] *In:* Scientific Notes and News [SECTION]. *Science*, New Series, 44 (July 21): 99.

1916 19.3224 [Alice Eastwood collected plants for five days in Grand Canyon on Hermit and Grandview Trails.] *In:* News Items [SECTION]. *Torreya*, 16(8) (August): 191.

1916 19.3585 Meeting of October 3, 1916. *In:* Proceedings of the New York Entomological Society [SECTION]. *New York Entomological Society, Journal*, 24(4) (December): 309-.

► See p. 310: Minutes record a presentation by Dr. Ottolengui to the West, noting the abundance of "blue aster-like flowers at Grand Canyon". (ENTIRE NOTE)

1922 19.4084 Undeveloped timber section of Arizona; over one billion feet contained in the 300,000-acre area. *The Timberman* (Portland, Oregon), 23(5) (March): 114, 117.

► Kaibab Plateau.

1930 19.5382 Left-overs. *Grand Canyon Nature Notes*, 4(7) (May 31): 47.

► Includes brief note of inky-cap mushrooms "on the South Rim within a foot of a snowbank, March 14th".

1931 19.56 [Early canyon-bottom flowers.] *Grand Canyon Nature Notes*, 5(4) (February): 36.

1931 19.57 [Catkins fallen from cottonwood trees at Phantom Ranch; many trees in bud.] *Grand Canyon Nature Notes*, 5(4) (February): 38.

1933 19.64 Additions to Grand Canyon herbarium. *Grand Canyon Nature Notes*, 7(11) (February): 118.

► "Eighty-three new plants have recently been added to the Grand Canyon Herbarium[.] The specimens represent collections from both rims and from the interior of the canyon. They were identified at the National Herbarium in Washington through the courtesy of Dr. Frederick Coville." (ENTIRE ITEM)

Anonymous *(continued)*

1938 19.4123 Grand Canyon. *In:* Here and There on the Desert [SECTION]. *Desert Magazine*, 1(5) (March): 20.

► "Shrubs are budding in the Grand Canyon National Park as a result of unusually mild winter weather." (ENTIRE NOTE)

1983 19.6087 Update on 2,4-D appeal in Arizona Strip. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 19(6) (August): 7.

► Herbicide 2,4-Dichlorophenoxyacetic acid.

1984 19.80 *Life on the canyon rim.* Grand Canyon Natural History Association, [8] pp. (The Rim Trail series.)

1985 19.3619 The endangered plant program in Arizona: A summary. *The Plant Press* (Arizona Native Plant Society), 9(1) (Spring): 2-5.

1986 19.4016 The endangered plant program in Arizona: An update. *The Plant Press* (Arizona Native Plant Society), 10(1) (Spring): [unpaginated].

1990 19.83 Noteworthy collections; Arizona. *Madroño*, 37(1): 60-62.

1992 19.3784 Havasupai sunflower: Unique resistance to major crop disease. *The Seedhead News* (Native Seeds/SEARCH, Tucson), (36) (Spring Equinox): [1].

1993 19.4809 [Brief response to] Wuddyathink? On trimming tamarisks. . . *The News* (Grand Canyon River Guides), 6(3) (Late Summer): 17. [Ellipsis is part of title.] [Item signed "Russell".]

1993 19.3624 Highlights of Native Seeds' 1992 annual report. *Seedhead News* (Native Seeds/SEARCH, Tucson), (41/42) (Summer/Autumn): 12.

► Includes notes on rust-reistant Havasupai sunflower and Havasupai tribe cultivars.

1995 19.6760 A grand celebration. *In:* Notices [SECTION]. *National Parks*, 69(1/2) (January/February): 47.

► National Parks and Conservation Association presents Grand Canyon National Park "with $12,200—raised through a promotion with Matrix Essentials—to support native plant revegetation projects."

1996 19.126 Revegetation Day for Association members. *Canyon Views* (Grand Canyon Association), 2(1): 8.

► See also Frazier, John (1996).

Anonymous *(continued)*

1998 19.3622 Plant conservation in Grand Canyon National Park. *The Plant Press* (Arizona Native Plant Society), 22(1) (Winter/Spring): 7.

► Brief news note regarding removal of non-native plants and planting of native species.

1998 19.4103 Grant funds endangered plant monitoring. *In:* Highlights [SECTION]. *Park Science* (U.S. National Park Service), 18(1) (July): 5.

► National Fish and Wildlife Foundation's Native Plant Conservation Initiative. Sentry milk-vetch on South Rim of Grand Canyon; Hevron milk-vetch on Navajo Nation lands at Marble Canyon; newly discovered population, possibly a new variety, on the North Rim.

2002 19.4434 A southwestern tour. *Espinas y Flores* (San Diego Cactus and Succulent Society), 37(3) (March): 2.

► Notice of presentation to be made by Juergen Menzel, to "focus primarily on *Pediocactus* and *Sclerocactus*", featuring "many famous cacti localities like Marble Canyon, the Grand Canyon, and Little Colorado."

2002 19.2254 Old growth legacy; preserving the remaining 5 percent of Southwest old growth ponderosa pines. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 1-3.

2004 19.2473 Camelthorn warriors. *Boatman's Quarterly Review*, 17(2) (Summer): 41.

2005 19.6142 Art students to illustrate canyon's rare plants. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 59(4) (December) (Winter): 14.

2006 19.3889 CCSS Four Corners tour itinerary set for Apr. 20-24. *Colorado Cactus and Succulent Society, Chinle Chapter* (Glade Park, Colorado) [newsletter], (February): 3-4.

► Notes in part, "Plant stops are scheduled along US 89 between Cameron and Navajo Bridge, Lees Ferry, along the road to Jacob Lake. You might find yourself detouring into Upper House Rock Valley." (ENTIRE NOTE)

2006 19.4307 Arizona travel. *Senior Resource Quarterly* (CPCU Society [Society of Chartered Property and Casualty Underwriters], Malvern, Pennsylvania), 17(1) (March): 3.

► Written in the first person but without by-line. Notes visit by "the Decaminadas and Kirschbaums" to Grand Canyon in spring 2005. "The Grand Canyon itself was a major surprise, despite being repeat visitors—it was *green*. One of the senior rangers told us 2005 was year 25 for him and the only time he had ever seen it looking like that—thanks to all the earlier rain, plant life had exploded." (ENTIRE NOTE)

2006 19.5912 Bush Administration forced to abandon plans to log near Grand Canyon; conservationists call on Administration to protect communities at risk from wildfires instead of logging old growth forests. *Iowa Sierran* (Sierra Club, Iowa Chapter, Des Moines), 36(1) (Spring): 6.

2007 19.2657 Friday, March 30th: Please join the effort to fight the onslaught of Sahara mustard! *In:* Mark Your Calendars! [SECTION]. *Boatman's Quarterly Review*, 20(1) (Spring 2006-2007) [*sic*]: 7.

Anonymous *(continued)*

2008 19.2991 Volunteers help control invasive plants. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 2 (April), http://www.nps.gov/grca/naturescience/cynsk-v02.htm

2008 19.2992 Tusayan Flameflower conservation; park biologists conserve rare plant near Canyon View Information Plaza. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 5 (August), http://www.nps.gov/grca/naturescience/cynsk-v05.htm

2008 19.2911 Grand Canyon Wildlands Riparian Revegation Project; Glen Canyon reach of the Colorado River. *In:* Volunteer Opportunities [SECTION]. *Student Connections* (Northern Arizona University, Ecological Monitoring and Assessment Program), (November): 12.

2008 19.4260 *Kaibab National Forest : ecological sustainability report. Version 1.01, December 19, 2008.* [No place]: U.S. Forest Service, 100 [101] pp. [Includes *Errata*, March 30, 2009, on p. [101].]

2009 19.3964 Manzanita (Kane Co.) *In:* Chapter News [SECTION]. *Sego Lily* (Utah Native Plant Society), 32(3) (May): 4.

► Includes notice of planned field trip to Toroweap.

2009 19.3070 Biologist documents rare find in uncommon plants. *Babbitt Times Review* (Babbitt Ranches), (July): 7.

► Greg Goodwin, volunteer for The Nature conservancy. *Pediocactus peeblesianus* ssp. *fickeiseniae*, *Rosa stellata* ssp. *abyssa*, *Chrysothamnus molestus*.

2010 19.5116 What makes my blue spruce blue? *Newspaper Article Archive* (Lawyer Nursery, Inc., Plains, Montana), (January): [1]-[2].

► See p. [2], note of "seed from the San Juan National Forest in Colorado and Kaibab National Forest (Kaibab Plateau) in Arizona, give the highest percentage of bluish foliage plants."

2010 19.3996 Grand Canyon Spring, and springs in the wildlands. *Wild and Brief* (Grand Canyon Wildlands Council), 1(1) (May 7): [1].

► Two items: "Pakoon Springs Restoration", and "Glen Canyon Riparian Restoration" (Hidden Slough, Colorado River).

2010 19.3997 Glen Canyon riparian restoration. *Wild and Brief* (Grand Canyon Wildlands Council), 1(1) (May 7): [1].

► Hidden Slough.

2012 19.5418 FPC goes to the Grand Canyon: Restoring Granite Rapids camp. *Fred Phillips Consulting Newsletter* (Yuma, Arizona), (3) (August): 2.

► Monument Creek.

2012 19.5419 Clearing in Granite camp begins; restoration in Grand Canyon National Park. *Fred Phillips Consulting Newsletter* (Yuma, Arizona), (4) (November): 1.

► Granite Rapids camp, Monument Creek.

Anonymous *(continued)*

2013	19.4018	Arizona—north. e*NTS* (Native Tree Society), 3(1) (January): 23-29. [Item byline is "tsharp"; communicated by email.
2013	19.5086	Re: Arizona—southern. e*NTS* (Native Tree Society), 3(1) (January): 235-236. [Item byline is "Don"; communicated by email.] ► Includes comments on working with a "hazard tree crew" at Phantom Ranch.
2013	19.5087	Re: Arizona—southern. e*NTS* (Native Tree Society), 3(1) (January): 236-237. [Item byline is "Don"; communicated by email.] ► Comments on vegetation communities of the Walhalla Plateau and elsewhere on Arizona Strip.
2013	19.6857	"Rarely seen and rarely found native cacti and succulents of Arizona"; presented by Peter Breslin. *Desert Breeze* (Tucson Cactus and Succulent Society), (February): [1]. ► Lecture announcement; notes House Rock Valley and Kaibab Plateau.
2013	19.6858	"From The Florilegium". *Desert Breeze* (Tucson Cactus and Succulent Society), (February): [2]. ► "This wonderful watercolor by artist Sally Boyle was painted from an herbarium specimen collected in 2001 by Wendy Hodgson on the Grand Canyon National Park's Bright Angel Trail (Desert Botanical Garden Herbarium Voucher 13998)." Hybrid yucca, *Yucca baccata* × *Yucca elata*. Painting, 2011. With brief biographical note of the artist.
2013	19.4050	Restoring native plants at the Colorado River. *Canyon Views* (Grand Canyon Association), 20(3) (Summer): 10.
2013	19.4974	Garden scientist maps future of rare southwestern cactus. *Keep Growing* (Chicago Botanic Garden), (Fall): 32-34. ► Shannon Still studies projected habitat migration of the Siler pincushion cactus (*Pediocactus sileri*) on the Arizona Strip.
2014	19.4630	Mit olvashatunk a Debreceni Pozsgástár 4. számában? *Hírlevél* (Magyar Kaktusz és Pozsgás Társaság Közhasznú Egyesület, Internetes Újságja) [Hungarian Cacti and Succulents Society, Internet Newsletter], (63) (December): [unpaginated]. [In Hungarian.] ► Includes Grand Canyon and House Rock Valley. Also a summary of article by Oldřich Fencl in the December 2014 issue of *Debreceni Pozsgástár* (ITEM NO. 19.4629).
2015	19.4822	*YOUR* impact at Grand Canyon. Thanks to you, GCA and Grand Canyon National Park are . . . Restoring native plants throughout the park. *Canyon Views* (Grand Canyon Association), 22(4) (November): 3.
2015	19.4823	Go green! Breaking ground for a new greenhouse. *Canyon Views* (Grand Canyon Association), 22(4) (November): 4. ► Greenhouse for seedlings to be used in native plants revegetation efforts at Grand Canyon.

Anonymous *(continued)*

2016 19.5798 Your impact at Grand Canyon; an endangered species recovers. *Canyon Views* (Grand Canyon Association), 23(4) (December): 10-11.

▶ Sentry milk-vetch, *Astragalus cremnophylax* var. *cremnophylax*.

2017 19.6602 Krótkie spojrzenie na ... Mrozoodporne Ferokaktusy, czyli kolejne pytania. *Kaktusy i Inne* (Czasopismo polskich miłośników kaktusów i sukulentów) / *Cacti and Others* (Journal of Polish cactus and succulent fanciers) (Polskie Towarzystwo Miłośników Kaktusów, Oddział Wrocławski, Wrocław), 10(2): 42. [Ellipsis is part of item title, thus.] [In Polish, with bilingual serial and subtitles.]

▶ Illustrated with photos of *Ferocactus cylindraceus* var. *eastwoodiae* in Havasu Canyon (with a young bighorn) and *F. cylindraceus* var. *lecontei* in Grand Canyon.

2018 19.5821 North Rim Ranches; gardening for science. *In:* Postcards from the Field [SECTION]. *Colorado Plateau Advocate*, (Spring/Summer): 29.

▶ Kane Ranch, Two Mile Ranch.

2018 19.6416 The CC&SS pilgrimage to Arizona: Plants in habitat, history, scenery and a bit of geology; scenes from day 1. *Succulent Morsels* (Chinle Cactus and Succulent Society, Grand Junction, Colorado), 10(6) (June): 2-4.

▶ Cactus prospecting in the Marble Canyon area. See also Mallory (2018, ITEM NO. 19.6417).

2023 19.6866 New Arizona Native Plant Society chapters. *Plant Press Arizona* (Arizona Native Plant Society), 46(2) (Winter 2023/2024): 18-21.

▶ See pp. 18-19, "The Hakdaqwi:va Peach Springs Chapter; Carrie Cannon, Chapter President". Focuses on traditional Hualapai botanical knowledge, and notes the Hualapai Ethnobotany Youth Project.

2025 19.7010 A trip to Hualapai for the 2024 CFI kickoff. *In:* Division of Forestry (DOF) [SECTION]. *OTS Quarterly Newsletter* (U.S. Bureau of Indian Affairs, Office of Trust Services, Washington, D.C.), (16) (January): 23-26.

▶ Continuous Forest Inventory, Hualapai Indian Reservation.

A

Abella, Scott R.

2004 19.2464 Tree thinning and prescribed burning effects on ground flora in Arizona ponderosa pine forests: A review. *Arizona-Nevada Academy of Science, Journal*, 36(2): 68-76.

2008 19.4547 A systematic review of wild burro grazing effects on Mojave Desert vegetation, USA. *Environmental Management*, 41(6) (June): 809-819.

Abella, Scott R., AND Fulé, Peter Z.

2008 19.3865 Changes in Gambel oak densities in southwestern ponderosa pine forests since Euro-American settlement. *U.S. Forest Service, Rocky Mountain Research Station, Research Note RMRS-RN-36*, 6 pp.

Abrams, Leroy

1915 19.3199 The deserts and desert flora of the West. *In:* Grinnell, Joseph (ed., Subcommittee in Charge), *Nature and science on the Pacific coast : a guide-book for scientific travelers in the West. Edited under the auspices of the Pacific Coast Committee of the American Association for the Advancement of Science.* San Francisco: Paul Elder and Co., pp. 168-176.

▶ See "Grand Cañon of the Colorado" and "Flora of the Grand Cañon", pp. 170-171.

Alcoze, Thom, AND Hurteau, Matt

2001 19.2077 Implementing the archaeo-environmental reconstruction technique: Rediscovering the historic ground layer of three plant communities in the greater Grand Canyon region. *In:* Egan, Dave, and Howell, Evelyn A. (eds.), *The historical ecology handbook : a restorationist's guide to reference ecosystems.* Washington, D.C., Covelo, California, and London: Island Press, pp. 413-424.

Aldridge, Vaden J.; Lopez, Sharon Masek; AND Springer, Abraham E.

2014 19.5420 Estimating groundwater recharge in semi-arid, ponderosa pine forest using a precipitation-sourced chloride mass balance technique [ABSTRACT]. *In: 2014 AIPG and AHS National Conference : program : Water and Rocks the Foundations of Life : September 13-16, 2014, Prescott, AZ.* [No place]: American Institute of Professional Geologists, and Arizona Hydrological Society, p. 33.

▶ U.S. Forest Service, Four Forest Restoration Initiative. Includes South Rim of Grand Canyon.

Aleshire, Peter

1993 19.145 Grand Canyon ecology, Part I. *Arizona Wildlife Views*, 36(4): 10-12.

1993 19.146 Grand Canyon ecology, Part II. *Arizona Wildlife Views*, 36(5): 1-3.

1993 19.147 Grand Canyon ecology, Part III. *Arizona Wildlife Views*, 36(6): 18-20.

1996 19.148 Wildflowers: A portfolio. *Arizona Highways*, 72(3) (March): 20-31. [See pp. 24-25.]

2005 19.2539 For want of a fungus the squirrel is lost—as are we all. *In:* All Who Wander [SECTION]. *Arizona Highways*, 81(9) (September): 3.

Aleshire, Peter, AND Keith, Christine

1998 19.150 Old growth forests; nature's own time capsules. *Arizona Highways*, 74(1) (January): 22-33.

Alexander, Jason Andrew

2005 19.2859 The taxonomic status of *Astragalus mokiacensis* (Fabaceae), a species endemic to the southwestern United States. *Brittonia*, 57(4) (October/December): 320-333.

2008 19.2930 *A taxonomic revision of* Astragalus mokiacensis *and allied taxa within the* Astragalus lentiginosus *complex of Section* Diphysi*.* Doctoral dissertation, Oregon State University, 253 pp.

2009 19.5296 The types of *Astragalus* Section *Diphysi* (Fabaceae), a complex endemic to western North America, Part I: Lectotypifications, epitypifications, and new combinations of several taxa. *Botanical Research Institute of Texas, Journal*, 3(1) (July): 211-218.

► See *Astragalus lentiginosus* var. *oropedii* Barneby (type from North Kaibab Trail, effective lectotypification later by Barneby (1989), epitype designated by Alexander from among Barneby's syntypes. For original description refer to Barneby (1945, ITEM NO. 19.5297); Barneby (1989) is cited as *in* Cronquist, A., Holmgren, A. H., Holmgren, N. H., Reveal, J. L., and Holmgren, P. K. (eds.), *Intermountain Flora. Volume III, Part B* (New York Botanical Garden, Bronx, New York).

2012 19.4469 A taxonomic revision of *Astragalus lentiginosus* var. *maricopae* and *Astragalus lentiginosus* var. *ursinus*; two taxa endemic to the southwestern United States. *Calochortiana* (Utah Native Plant Society), (1) (December): 134-156.

2014 19.4596 Climate change and land use history enflame a new range war over public lands. *Sego Lily* (Utah Native Plant Society), 37(4) (August/October): 6-15.

► Includes Arizona Strip area, with many examples from Pipe Spring National Monument.

Allen, Geraldine A.

1985 19.2079 The hybrid origin of *Aster ascendens* (Asteraceae). *American Journal of Botany*, 72(2): 268-277.

Allphin, Loreen; Brian, Nancy; AND Matheson, Taina

2006 19.2625 Reproductive success and genetic divergence among varieties of the rare and endangered *Astragalus cremnophylax* (Fabaceae) from Arizona, USA. *Conservation Genetics*, 6(5): 803-821.

Allphin, Loreen; Wiens, D.; Brian, Nancy; AND Randall, P.

1999 19.1959 Reproduction and genetic divergence within *Astragalus cremnophalax* from Arizona, USA [ABSTRACT]. *XVI International Botanical Congress, St. Louis, USA, August 1-7, 1999, Abstracts*, p. 612.

Allred, Sylvester

2015 19.4837 *Ponderosa : big pine of the Southwest.* Tucson: University of Arizona Press, 95 [97] pp.

Alpine, Andrea E.

2010 19.3040 (ED.) Hydrological, geological, and biological site characterization of breccia pipe uranium deposits in northern Arizona. *U.S. Geological Survey, Scientific Investigations Report 2010-5025*, 353 pp., 1 plate.

Al-Shehbaz, Ihsan Ali

1973 19.5108 *The biosystematics of the genus* Thelypodium *(Cruciferae).* Doctoral dissertation, Harvard University.

1973 19.5105 The biosystematics of the genus *Thelypodium* (Cruciferae). *Gray Herbarium of Harvard University, Contributions*, (204) (October 1): 3-148.

► See *Thelypodium integrifolium* (Nuttall) Endlicher subsp. *longicarpum* Al-Shehbaz, subsp. nov., pp. 111-112. New subspecies, holotype from "ca. 0.5 mile below Indian Garden on Bright Angel Trail, Grand Canyon National Park".

American Pomological Society, Committee

1909 19.3408 Fruits recommended by the American Pomological Society for cultivation in the various sections of the United States and Canada. Revised by a committee of the American Pomological Society, W. H. Ragan, Chairman. *U.S. Bureau of Plant Industry, Bulletin 151*, 69 pp.

► See under "Pomological Districts as Defined by the American Pomological Society" (with Plate 1, map), p. 12, District No. 12, ". . . also embraces the valley and canyon of the Colorado . . . . The species successfully grown within the boundaries of this district range from the vinifera grapes to the hardy ironclad apples." (ENTIRE NOTE)

Anderson, John L.

2012 19.4465 East meets West: Rare desert *Allium*s in Arizona. *Calochortiana* (Utah Native Plant Society), (1) (December): 56-62.

Anderson, L. Susan, AND Ruffner, George A.

1985 19.162 (*ASSISTED BY* M. C. White, S. J. Jernigan, and E. V. Mooneyham) Report on vegetation along the Colorado River Old High Water Line, Grand Canyon National Park, 1984. *In:* House, Dorothy A. (ed.), *Colorado River Investigations III : July/August 1984* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 94-107.

1987 19.163 *Effects of the post-Glen Canyon Dam flow regime on the old high-water line plant community along the Colorado River in Grand Canyon.* Salt Lake City: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies Technical Report.

1988 19.5514 Effects of the post-Glen Canyon Dam flow regime on the old high water zone plant community along the Colorado River in Grand Canyon. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 271-286.

Anderson, L. Susan; Lucas, L.; McGee, M.; Yard, Michael; AND Ruffner, George

1986 19.164 *Aquatic habitat analysis for low and high flows of the Colorado River in Grand Canyon.* Salt Lake City: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Technical Report.

Anderson, Loran C., AND Hevron, Bill

1993 19.165 New records and data for the rare *Chrysothamnus molestus* in Arizona. *Arizona-Nevada Academy of Science, Journal*, 27(1): 1-4.

Argus, George W.

1995 19.177 Salicaceae; willow family; Part two: *Salix* L.; willow. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 29(1): 39-62.

Arizona Rare Plant Committee

2001 19.3060 *Arizona rare plant field guide : a collaboration of agencies and organizations.* [No place]: Arizona Rare Plant Committee, 1 volume (loose-leaf). [Issued by U.S. Forest Service, printed by U.S. Government Printing Office.]

Armstrong, Margaret

1915 19.182 (IN COLLABORATION WITH J. J. Thornber) *Field book of western wild flowers.* New York and London: C. P. Putnam's Sons [*sic*, G. P. Putnam's Sons] (The Knickerbocker Press), 596 pp., 48 colored plates.

► Grand Canyon throughout.

Arnold, Frank A.

1909 19.3211 Collecting crooked sticks. *Countryside Magazine*, (August):.

► Naturally formed sticks forming the letters of the alphabet and numerals: "'J' was cut from a scrubby tree about fifty feet from the edge of the Grand Cañon of the Colorado, in Arizona." (ENTIRE NOTE)

1915 19.3212 Collecting crooked sticks. *The Guide to Nature*, 8(5) (October): 156-157.

► Reprinted from *Countryside Magazine*.

Arnoud, Olivier

2015 19.5206 Galerie photos. *Succulentopi@* [Succulentopia] (Cactuspro, Saint-Beauzire, France), (15) (November): 24-27. [In French.]

► See p. 25, "*Sclerocactus sileri* USA, Arizona, Vermilion Cliffs—1800/1900m Alt.—Photo Verhoef Cor" (photo with legend only).

Arroyo, Bryan

2005 19.3292 Re-opening of the comment period for the Draft Recovery Plan for the sentry milk-vetch. *Federal Register*, 70(6) (January 10): 1736-1737.

Aslan, Clare E.

2022 19.6822 Investigating limitations to pollination in rare and endangered cacti: case studies of *Pediocactus* and *Coryphantha* [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 6.

► Includes *Pediocactus peeblesianus* var. *fickeiseniae* in northern Arizona.

Astiz, Valentina, AND Hernández, L. F.

2011 19.5621 Cuantificacion del polen intrainflorescencia en híbridos, lineas endocriadas y variedades de polinizacion cruzada de girasol (*Helianthus annuus* L.) [ABSTRACT]. *In: Segunda Jornada de Intercambio de Producción Científico-Tecnológica :* II JIPCiTe *: 30 de Noviembre de 2011, Bahía Blanca, Provincia de Buenos Aires : libro de resumenes.* Bahía Blanca, Buenos Aires, Argentina: Universidad Nacional del Sur, Consejo Nacional de Investigaciones, Científicas y Técnicas, Centro de Recursos Naturales Renovables de la Zona Semiárida, pp. 10-11. (Volume also with imprints of Comisión de Educación, Relaciones Institucionales y Comunicación, and Secretaría de Extensión, Departamento de Agronomía.) [In Spanish.]

► Includes Havasupai variety.

2014 19.5622 Pollen production pattern in the capitulum of the cultivated sunflower (*Helianthus annuus* L.). Patrón de producción polínica en el capítulo del girasol cultivado (*Helianthus annuus* L.). *Φyton* [*Phyton*] (Revista Internacional de Botánica Experimental) (Fundacion Romulo Raggio, Vicente López, Bueno Aires, Argentina), 83: 27-36. [In English, with bilingual title and abstract.]

► Includes Havasupai variety.

Atkins, Riley J.; Barkworth, Mary E.; AND Dewey, Douglas R.

1984 19.2082 A taxonomic study of *Leymus ambiguus* and *L. salinus* (Poaceae: Triticeae). *Systematic Botany*, 9(3) (July/September): 279-294.

Atwood, N. Duane [Atwood, Duane]

2007 19.6564 Six new species of *Phacelia* (Hydrophyllaceae) from Arizona and New Mexico. *Novon*, 17(4): 403-416.

► See: *Phacelia furnisii*, new species (pp. 408-410), holotype and isotypes from "Mohave Co., Arizona Strip, Grand Canyon-Parashant National Monument, Andrus Canyon at rd. crossing, T32N, R10W, S6 & 7", and numerous paratypes from various locales on the Arizona Strip

Phacelia higginsii, new species (pp. 410-412), holotype and isotypes from "Mohave Co., Arizona Strip, 12.5 mi. SW from head of Trail Canyon toward Andrus Canyon, 36°11.48'N, 113°19.10'W", and paratypes from Grand Canyon-Parashant National Monument and other locales *(continued)*

Phacelia hughesii, new species (pp. 412-414), holotype and isotypes from "Mohave Co., Arizona Strip, T34N, R11W, S8, E of Salt Spring S base of Poverty Mtn.", and numerous paratypes from various locales on the Arizona Strip.

2012 19.5094 Flora of the Arizona Strip [ABSTRACT]. *In:* Abstracts of Presentations and Posters not Submitted for the Proceedings. *Calochortiana* (Utah Native Plant Society), (1) (December): 4.

Atwood, N. Duane, AND Welsh, Stanley L.

2013 19.5128 New plant taxa from Colorado, New Mexico, and Arizona. *Western North American Naturalist*, 73(1): 113-115.

► See p. 115, *Xylorhiza tortifolia* (Torrey & Gray) Greene var. *parashantensis* N.D. Atwood & S.L. Welsh, new species, types from Grand Canyon-Parashant National Monument.

Auble, Gregor T.; Friedman, Jonathan M.; Shafroth, Patrick B., Merigliano, Michael F.; AND Scott, Michael L.

2012 19.3702 Woody riparian vegetation near selected streamgages in the western United States. *U.S. Geological Survey, Data Series 708*, 8 pp.

Audretsch, Bob [Audretsch, Robert W.]

1998 19.186 The search. *Nature Notes* (Grand Canyon National Park), 14(1) (Summer): 6-7.

► Aspens on South Rim.

2001 19.2083 The search. *Grand Canyon Footprints*, 1(3) (Fall): [2].

► Aspens on South Rim.

Augé, Karen Brebner

1991 19.187 Wanted: Trees big as all outdoors. (Photographs by Jerry Sieve.) *Arizona Highways*, 67(9) (September): cover, 18-27.

Aumack, Ethan N.

2005 19.2579 Conducting a rapid landscape-scale ecological assessment of the Kane and Two Mile Ranches in northern Arizona [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 28.

► Kane Ranch, Two Mile Ranch.

2006 19.2612 Plateau journey reveals vast array of plants and animals. *Colorado Plateau Advocate*, (Winter) [February]: 16-17.

2007 19.2672 Trial by fire. *Colorado Plateau Advocate*, (Summer/Fall): 12-13.

2008 19.2747 The essense of a mountain: Landscape conservation across the Kaibab Plateau. *Colorado Plateau Advocate*, (Summer/Fall): 18-19, 29.

2009 19.2836 Reclaiming lost ground in northern Arizona forests and rangelands. *Colorado Plateau Advocate*, (Winter/Spring 2009): 6-7.

2009 19.3000 Building consensus for landscape-scale restoration in northern Arizona's forests. *Colorado Plateau Advocate*, (Summer/Fall): 10-11.

2010 19.3031 The insurmountable opportunity of landscape-scale forest restoration in northern Arizona. *Colorado Plateau Advocate*, (Winter/Spring): 16-17, 23.

2010 19.3213 Arizona forest restoration retrospective, 1996-2010. *Colorado Plateau Advocate*, (Summer): 10-11.

2010 19.3318 What tomorrow holds for Arizona's ponderosa pine forests. *Colorado Plateau Advocate*, (Winter/Spring 2010/2011): 4-5, 23.

2017 19.5832 The North Rim Ranches program of the Grand Canyon Trust: A case study of science-based collaborative resource management [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 6.

► Kane Ranch, Two Mile Ranch.

Austin, Daniel F.

1998 19.188 Convolvulaceae; morning glory family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 61-83.

Austin, Noah, AND Pajak, Eirini

2024 19.6942 Uncommon scents. For decades, search dogs have been used to sniff out narcotics and explosives and help find victims of earthquakes and floods. Now, they're being used for conservation, searching for things like salamanders, orchids and rare plants in Northern Arizona. *Arizona Highways*, 100(10) (October): 46-51.

► Features "Ficks", the Fickeisen plains cactus (*Pedicocactus peeblesianus* ssp. *fickeisenieae*). See also in "Contributors" section (p. 3), regarding photographer Eirini Pajak.

Ayers, Tina J., AND Kearsley, M. J. C.

1997 19.6923 Effects of the 1996 experimental flood on vegetation in the Colorado River corridor of Grand Canyon National Park, Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 218.

Ayers, Tina J.; Christi, Kyle; AND Kearsley, Michael

2010 19.3296 *Grand Canyon National Park : National Vegetation Mapping Program : 2007-2008 field crew support, data management, and review meeting for GRCAQ vegetation mapping : final report.* Flagstaff, Arizona: Colorado Plateau Cooperative Ecosystem Studies Unit, 173 pp.

Ayers, Tina J.; Scott, Randall W.; Stevens, Lawrence E.; Warren, Kathy; Phillips, Arthur, III; AND Yard, Michael D.

1995 19.193 Additions to the flora of Grand Canyon National Park—I. *Arizona-Nevada Academy of Science, Journal*, 28(1/2): 70-75.

► For part "II" see Brian *et al.* (2000, ITEM NO. 19.1960). For part "III" see Brian (2001, ITEM NO. 19.2036).

B

B., J. D.

1994 19.3287 An old sunflower shines again. *Popular Science*, (January): 32.

► Cultivation of Havasupai sunflower.

Backeberg, Curt

1957 19.6859 *Pilocanthus* B. W. Benson et Backbg. nov. gen. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 8(12) (December): 187-189. [In German.]

► Pertains to *Pediocactus paradinei* Benson (1957, new species, ITEM NO. 19.5299) from House Rock Valley though locality not mentioned here; and refers also to Marshall (1956, ITEM NO. 19.6731).

1958 19.5227 *Die Cactaceae : Handbuch der Kakteenkunde. Band I. Einleitung und Beschreibung der Peireskioideae und Opuntioideae.* Jena: VEB Gustav Fischer Verlag, pp. I-XVI, 1-638, Plates 1-35. [In German.]

► Grand Canyon noted; see *Opuntia basilaris* Eng. & Big. var. *longiareolata* (Clover & Jotter) L. Benson (pp. 589-590), *Optunia hystricina* Eng. & Big. (pp. 608-609).

1960 19.5228 *Die Cactaceae : Handbuch der Kakteenkunde. Band II. Cereoideae (Boreocereeae).* Jena: VEB Gustav Fischer Verlag, pp. XXXIII-XXXVI, 1927-2629, Plates 161-211. [In German.]

► Grand Canyon noted; see *Echinocereus decumbens* Clov. & Jott. (p. 2006), *Echinocereus roemeri* (Mühlpf.) Rydb. non Eng. (its synonym, *E. canyonensis* Clov. & Jott. [p. 2062]).

1961 19.5229 *Die Cactaceae : Handbuch der Kakteenkunde. Band V. Cereoideae (Boreocactinae).* Jena: VEB Gustav Fischer Verlag, pp. 2631-3543, Plates 212-255. [In German.]

► Grand Canyon noted; see *Sclerocactus havasupaiensis* Clov. (pp. 2678-2679), *S. parviflorus* Clov. & Jott. (pp. 2680-2681), *Navajoa fickeisenii* Backbg. (pp. 2873-2876).

Baeza P., C. M.

1996 19.5207 Los géneros *Danthonia* DC. y *Rytidosperma* Steud. (Poaceae) en América—Una revisión. *Sendtnera* (Botanischen Staatssammlung und des Instituts für

Systematische Botanik der Universität, Mitteilungen) (München), 3: 11-93. [In Spanish, with abstract also in German.]

► "Este trabajo es una parte de la Tesis Doctoral presentada a la Escuela de Graduados de la Universidad de Concepción, Chile, en marzo de 1995." See *Danthonia intermedia* Vasey (pp. 42-44, figure 3 [p. 84]). Selected examined material includes (p. 44), "Arizona: Entrance to Grand Canyon National Park, Kaibab Plateau, Coconino County, 8827 ft, 13.9.1968, *Howell & True 45260* (B)." (ENTIRE NOTE)

Baglioni, Stefano

2014 19.4439 Travelogue of a photographer and a naturalist (part one). *Acta Succulenta* (Budrio, Italy), [English ed.], 2(1): 1 [cover], 2, 4-26.

► Includes Marble Canyon (cover, pp. 2, 13-15). Focus is on cacti and succulents.

2014 19.4440 Un fotografo e un naturalista nei deserti americani (parte 1). *Acta Succulenta* (Budrio, Italy), [Italian ed.], 2(1): 1 [cover], 2, 4-26. [In Italian.]

► Includes Marble Canyon (cover, pp. 2, 13-15). Focus is on cacti and succulents.

2014 19.4441 Recontre d'un photographe et d'un naturaliste (première partie). *Acta Succulenta* (Budrio, Italy), [French ed.], 2(1): 1 [cover], 2, 4-26. [In French.]

► Includes Marble Canyon (cover, pp. 2, 13-15). Focus is on cacti and succulents.

Bailey, D. K.

1988 19.4581 The single-needle pinyons—one taxon or three? *In:* Hall, Clarence A., Jr., and Doyle-Jones, Victoria (eds.), The Mary DeDecker Symposium; Plant Biology of Eastern California, Natural History of the White-Inyo Range. *White Mountain Research Station Symposium* (University of California, Los Angeles), Volume 2, pp. 69-91.

► Includes lower Colorado River and western Arizona Strip regions, and one collection noted in Grand Canyon.

Bailey, Harold E., AND Bailey, Virginia Long

1941 19.6640 *Forests and trees of the western national parks.* Washington, D.C.: U.S. Government Printing Office. (U.S. National Park Service, Conservation Bulletin 6.)

► See "Forests of Grand Canyon National Park", pp. 58-63.

Bailey, Virginia Long

1962 19.2084 Revision of the genus *Ptelea* (Rutaceae). *Brittonia*, 14(1): 1-45.

Bailey, Virginia Long, AND Bailey, Harold Edwards

1949 19.203 *Wood plants of the western national parks : containing keys for the identification of trees and shrubs.* Notre Dame, Indiana: The University Press, 274 pp. (American Midland Naturalist Monograph 4 [John D. Mizelle, ed.])

Baker, Marc A., AND Cloud-Hughes, Michelle A.

2022 19.6864 Reassessment of subspecific taxa within *Pediocactus peeblesianus* (Cactaceae) by multivariate analysis of morphological characters. *Botanical Research Institute of Texas, Journal*, 16(1): 297-315.

Baker, Marc A.; Pinkava, Donald J.; Parfitt, Bruce; AND Righetti, Timothy

1984 19.4694 On *Cowania* and its intergeneric hybrids in Arizona. *Great Basin Naturalist*, 44(3) (July): 484-486.

► Regarding a putative natural hybrid between Stansbury cliffrose (*Cowania mexicana* D. Don var. *stansburiana* (Torr.) Jeps.) and Apache plume (*Fallugia paradoxa* (D. Don) Endl.), from Ranger Pass, Kaibab National Forest. See also Blauer *et al.* (1975, ITEM NO. 19.4695).

Baker, Marc A.; Rebman, Jon P.; Parfitt, Bruce D.; Pinkava, Donald J.; AND Zimmerman, Allan D.

2009 19.4347 Chromosome numbers in some cacti of western North America—VIII. *Haseltonia*, (15): 117-134.

Baker, O. E. [Baker, Oliver Edwin]

1936 19.6167 (ED.) *Atlas of American agriculture : physical basis including land relief, climate, soils, and natural vegetation of the United States.* Washington, D.C.: U.S. Government Printing Office, folio [unpaginated].

► "Land Relief", P. J. Marschner, 1936; "Climate (temperature, sunshine and wind)", Joseph B. Kincer, 1928; "Climate (frost and the growing season)", William Gardner Reed, 1918; "Climate (temperature and humidity)", Joseph B. Kincer, 1922; "Soils of the United States", C. F. Marbut, 1935; "The Physical Basis of Agriculture, Natural Vegetation"—"Grassland and Desert Shrub", H. L. Shantz, 1924; "Forests", Raphael Zon, 1924.

Baker, Robert D.; Maxwell, Robert S.; Treat, Victor H.; AND Dethloff, Henry C.

1988 19.208 *Timeless heritage: A history of the Forest Service in the Southwest.* [No place]: U.S. Forest Service, 208 pp. (FS-409.)

Baker, William L.

2006 19.4481 Fire history in ponderosa pine landscapes in Grand Canyon National Park: Is it reliable enough for management and restoration? *International Journal of Wildland Fire*, 15(3): 433-437.

► For reply, see Fulé *et al.* in same issue (ITEM NO. 19.4482).

2017 19.5479 Restoring and managing low-severity fire in dry-forest landscapes of the western USA. *PLoS One*, 12(2): e0172288, 28 pp.

► Calibration cases include Kaibab Plateau sites (on map but not itemized in text).

Bakker, Jonathan D., AND Moore, Margaret M.

2007 19.3120 Controls on vegetation structure in southwestern ponderosa pine forests, 1941 and 2004. *Ecology*, 88(9) (September): 2305-2319.

Ball, Carleton R.

1921 19.2085 Undescribed willows of the section Cordatae. *Botanical Gazette*, 71(6) (June): 426-437.

► See *Salix lutea ligulifolia*, new variety, pp. 428-430, including record from Indian Garden, Grand Canyon.

Bamberg, J.; Rio, A. del; Huaman, Z.; Vega, S.; Martin, M.; Salas, A.; Pavek, J.; Kiru, S.; Fernandez, C.; AND Spooner, D.

2003 19.4518 A decade of collecting and research on wild potatoes of the Southwest USA. *American Journal of Potato Research*, 80: 159-172.

► Sites visited, with germplasm sampling, include near Grand Canyon.

Banke, Søren; Frisvad, Jens C.; AND Rosendahl, Søren

1997 19.2139 Taxonomy of *Penicillium chrysogenum* and related xerophilic species, based on isozyme analysis. *Mycological Research*, 101: 617-624.

Baral, Hans-Otto; Weber, Evi; AND Marson, Guy

2020 19.6519 *Monograph of Orbiliomycetes (Ascomycota) based on vital taxonomy.* Luxembourg: National Museum of Natural History Luxembourg, Parts I and II, pp. 1-952, 953-1752.

► This is a profusely documented and illustrated publication, chiefly comprising the descriptions of new species (date of publication 30 October 2020). This citation lists those taxa that are typified or for which descriptions are based on collections from the Grand Canyon region; numerous other localities are omitted in this summary citation.

Only page numbers are given; pertinent enumerated plates of illustrations are embedded on those same pages. Locality data are given here only in condensed format, documenting just the geographic locale, although each published description includes collection information such as altitude, host material, collector, date of collection, and repository and catalog number of the material.

Some descriptions also note material that is "not included"; these specimens "deviate from the established taxa only in some minor points . . . [though] mentioned under that taxon which appears to be most closely related, but they are not included in a description, nor are they proposed as a separate new species." (p. 17) The "not-included" materials, although taxonomically not precisely identified, are mentioned here because they document collections from the region that this bibliography covers. (Future researchers, of course, may indeed consider some such material to belong to the species under which Baral *et al.* have listed it.)

For greater convenience in distinguishing Grand Canyon regional material that is, or is not, directly pertinent to a new species described by the authors, in the information that follows "**new species**" is indicated in **bold** if the regional cited material is systematically identified as that species; but as "new species" (not bold) if it is a new species in Baral *et al.* but for which collections from the region are *only* noted to be "not included" (that is, they are mentioned for their geographic information and not as any taxonomic support for the newly described species, thus resource managers are alerted to the fact that there is material gathered from this geographical region but that it is not necessarily considered by these authors to represent the species under which it is listed). (For an example of these two methods of indication, see nos. [1] and [2] in the lists that follow in this citation. See no. [7] for an example that lists *only* type material from the Grand Canyon region; that is,

none of the separately included or not-included materials listed by Baral *et al.* are from the region. See no. [20] for an example that lists, for a single new species, all three kinds of material: type, included, and not-included material, all from the Grand Canyon region.) Lists of included and not-included materials in the publication are often lengthy, with material sometimes from nation- and world-wide localities. Also note that the new taxa are credited to specific authors, not to the authors of the volume as a whole, but only the credited authors are listed in this citation even though the precise format is lengthier; for example, the first-listed species that follows is taxonomically more precise as "*Orbilia purshiae* Baral & G. Marson *in* Baral, Weber, and G. Marson".

- Taxa are enumerated here for convenience and to set them off from each other on the printed page (all localities are specifically noted by Baral *et al.* as being in Arizona, although some locality references to "Grand Canyon" are actually neither within the physiographic canyon nor within the national park, but on adjacent national forest and other lands):

[1] *Orbilia purshiae* Baral & G. Marson, **new species** (pp. 466-468), holotype from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake"; included material from "93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 7.5 km ESE of Grand Canyon Village, close to South Rim".

[2] *Orbilia lentiformis* Baral & G. Marson, new species (pp. 470-476); not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake, Rte. 89".

[3] *Orbilia ocellata* Baral, G. Marson & E. Weber, **new species** (pp. 476-481); included material from "Canyonlands, 45 km SW of Page, 26 km SW of Marble Canyon" and "Grand Canyon, Coconino Plateau, 3 km N of Tusayan".

[4] *Orbilia cucumispora* Baral & G. Marson, **new species** (pp. 494-497), holotype and isotype from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan"; included material from "Canyonlands, ~35 km WNW of Page, Paria Canyon".

[5] *Orbilia magnifica* Baral & G. Marson, **new species** (pp. 509-511, holotpe and isotypes from "Grand Canyon, Kaibab Plateau, 37 km SE of Fredonia, S of Jacob Lake"; included material from "3 km N of Kaibab Lodge".

[6] *Orbilia phanosoma* Baral & [G.] Marson, **new species** (pp. 514-515); included material from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan" and "3 km S of Tusayan".

[7] *Orbilia multiphanosoma* Baral & G. Marson, **new species** (pp. 515-517), holotype from "Grand Canyon, Coconino Plateau, 3 km N of Tusayan".

[8] *Orbilia euonymi* Velen. (1934) (pp. 532-538); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim".

[9] *Orbilia arizonensis* Baral & G. Marson, **new species** (pp. 553-556); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "93 km SSE of Fredonia, S of North Rim", and "Coconino Plateau, 7.5 km ESE of Grand Canyon Village".

[10] *Orbilia navajoana* Baral & G. Marson, **new species** (pp. 571-573); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km N of Tusayan".

[11] *Orbilia clavuliformis* Baral & G. Marson, new species (pp. 680-686); not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake".

[12] *Orbilia aristata* (Velen.) Velen. (1947) (pp. 709-719); included material from "Grand Canyon, 3 km N of Kaibab Lodge".

[13] *Orbilia spermoides* Baral & G. Marson, **new species** (pp. 734-737), holotype from "Coconino Plateau, 3 km N of Tusayan"; included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "Coconino Plateau, 8.5 km NNE of Tusayan, Mather Point" and "3 km N of Tusayan". *(continued)*

[14] *Orbilia carpoboloides* (P. & H. Crouan) Baral (1994) (pp. 1025-1040); not-included material from "Grand Canyon, Kaibab Plateau, 37 km SE of Fredonia, S of Jacob Lake".

[15] *Orbilia ophiosoma* Baral & G. Marson, **new species** (pp. 1050-1052); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km S of Tusayan".

[16] *Orbilia multihamulata* Baral & G. Marson, **new species** (pp. 1054-1055), holotype and isotype from "Canyonlands, 35 km WNW of Page, Paria Canyon".

[17] *Orbilia obtusispora* Baral & E. Weber, new species (pp. 1061-1065); not-included material from "Grand Canyon, Coconino Plateau, 2.3 km NW of Grand Canyon Village, Hopi Point".

[18] *Orbilia maeandrina* Baral & G. Marson, **new species** (pp. 1075-1078); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake", "93 km SSE of Fredonia, S of North Rim", "3 km N of Kaibab Lodge", "Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point", and "8.5 km ESE of Grand Canyon Village, close to South Rim".

[19] *Orbilia multimaeandrina* Baral & G. Marson, **new species** (pp. 1078-1082); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake".

[20] *Orbilia flexisoma* Baral & G. Marson, **new species** (pp. 1095-1098), holotype from "Coconino Plateau, 3 km S of Tusayan); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 3.5 km N of Tusayan", and "3 km N of Tusayan"; not-included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake" and "Coconino Plateau, 7.5 km ESE of Grand Canyon Village".

[21] *Orbilia delphinus* Baral & G. Marson, **new species** (pp. 1105-1110); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim", "Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point", and "3 km N of Tusayan".

[22] *Orbilia macrodelphinus* Baral & G. Marson, **new species** (pp. 1113-1116); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake" and "Coconino Plateau, 3.5 km N of Tusayan".

[23] *Orbilia multitrapezoidea* Baral & G. Marson, **new species** (pp. 1117-1120), holotype from "Grand Canyon, Coconino Plateau, 3 km S of Tusayan".

[24] *Orbilia serpentina* Pat. (1892) (pp. 1124-1129); included material from "Grand Canyon, Kaibab Plateau, 28 km ESE of Fredonia, 13 km NNW of Jacob Lake".

[25] *Orbilia calyptrata* Baral & G. Marson, **new species** (pp. 1187-1189); included material from "Grand Canyon, Coconino Plateau, 3.5 km N of Tusayan" and "3 km S of Tusayan".

[26] *Orbilia commarosa* Baral & G. Marson, new species (pp. 1195-1198); not-included material from "Grand Canyon, Coconino Plateau, 15 km ESE of Grand Canyon Village, Grandview Point".

[27] *Orbilia barrowensis* Baral & G. Marson, new species (pp. 1198-1200); not-included material from "Canyonlands, 45 km SW of Page, 26 km SW of Marble Canyon".

[28] *Orbilia gambelii* Baral & G. Marson *in* Karasch *et al.* (2005) (pp. 1200-1205); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim" and "Coconino Plateau, 3 km N of Tusayan".

[29] *Orbilia subovoidea* Baral, Matočec & E. Weber, **new species** (pp. 1257-1260); included material from "Grand Canyon, Kaibab Plateau, 93 km SSE of Fredonia, S of North Rim".

Barbieri, Rhonda

2001 19.2015 Remaining hopeful. *Boatman's Quarterly Review*, 14(1) (Spring): 5.

► Tamarisk removal.

Barker-Fricker, Sonia J.

1980 19.6433 Inside Grand Canyon. *National Cactus and Succulent Journal* (British Cactus and Succulent Society), 35(4) (December): 91-96.

► Observations of cacti by an amateur botanist during a Colorado River trip in Grand Canyon, Lees Ferry to Mile 188 [Whitmore]. *NOTE*: Raft shown in Figure 6 (p. 93) in "Hance Rapid" identified as a Western Rivers Expedition J-rig, but the rapid is not Hance (*fide* Richard Quataroli, February 18, 2020).

Barkley, T. M.

1968 19.6386 Taxonomy of *Senecio multilobatus* and its allies. *Brittonia*, 20(3) (July/September): 267-284.

► See *Senecio multilobatus* Torr. & Gray ex Gray (pp. 277-279), which includes in synonymy *S. stygius* Greene, *S. ionophyllus* Greene var. *stygius* (Greene) Jepson, type from "Grand Canyon of the Colorado, May 1884, *J. G. Lemmon s.n.*" See also *Senecio quercetorum* Greene (pp. 279-280), which includes the note, ". . . it has been collected occasionally near the Grand Canon, e.g., *Howell 26538*, Havasu Canyon, Grand Canyon National Park, (ARIZ, CAS)." (ENTIRE NOTE)

Barneby, Rupert C.

1944 19.2177 Alice Eastwood Semi-Centennial Publications. No. 3. Pugillus astragalorum alter. *California Academy of Sciences, Proceedings*, 25(3) (June 1): 147-170, Plate 17.

► See: *Astragalus zionis* (p. 149), "[a]n addition to the flora of Arizona" from "Echo Cliffs near Limestone Tanks, about 13 miles south of Navajo Bridge"

Astragalus eremiticus Sheld. var. *typicus*, new name, with localities including "Mokiak Pass, Mohave Co." (p. 155)

Astragalus bryantii, new species (pp. 156-157, Plate 17, figures 10-18), type from mouth of Hermit Creek, Grand Canyon, with referred specimen from head of Phantom Canyon.

1945 19.5297 Pugillus astragalorum IV: The Section *Diplocystium*. *Leaflets of Western Botany*, 4(5) (March): 65-147 [including Plates 1-4].

► See: *Astragalus lentiginosus* Dougl. *ex* Hook., *sensu ampliatissimo* Jones, 1923, var. *diphysus* (Gray) Jones, including specimens cited from "S. of Cameron", "Cameron to Navajo Bridge", and a gathering from "S. of (Lee's) Ferry" that had been identified as *A. mokiacensis* (pp. 114-116, Plate 3, figures 5-10)

A. l. var. *vitreus* Barneby, including specimens cited from "Kaibab [Plateau]", "W. of Fredonia", and Pipe Spring (pp. 119-121, Plate 3, figures 30-33)

A. l. var. *palans* (Jones) Jones, including specimens cited from "Grand Canyon" and "Grand view Trail" (pp. 134-135, Plate 4, figures 23-26)

A. l. var. *stramineus* (Rydb.) Barneby, new combination, including specimens cited from "Arizona strip" [*sic*] (pp. 122-123, Plate 3, figures 26-29

A. l. var. *oropedii*, new variety, type from "[North] Kaibab Trail to Roaring Springs, Grand Canyon National Park", and specimens cited from "Cliff Spring, 1 mile from Cape Royal", "North Rim of Grand Canyon", and "Jacob's Lake to Fredonia" (pp. 135-137) *(continued)*

A. l. var. *mokiacensis* (Gray) Jones, including specimens cited from the type locality, Mokiak Pass, "Grand Canyon of the Colorado near Fort Mohave" [*sic*], and "Form *β*" from Pipe Spring and Peach Springs (pp. 137-139, Plate 4, figures 34-39).

1947 19.5216 Pugillus astragalorum VIII: Notes on section *Genistoidei*. *Leflets of Western Botany*, 5(2) (April): 25-35.

► See: *Astragalus convallarius* Greene var. *foliolatus* Barneby (pp. 31-32), vicinity of Peach Springs

A. lancearius Gray 1878 (pp. 32-34), with note regarding *A. episcopus* Wats. 1875 ("*nomen confusum*"), first described from mixed gatherings "somewhere near Kanab . . . or conceivably at some point between that village and the Grand Canyon." (p. 33)

1948 19.2178 Pugillus astragalorum IX: Novelties in *Batidophaca* Rydb. *Leaflets of Western Botany*, 5(5) (February): 82-89.

► Includes *Astragalus cremnophylax*, new species (pp. 83-85), from *ca.* 2 miles west of El Tovar, Grand Canyon. Sentry milkvetch.

NOTE! This article has been mis-cited, and occasionally re-cited thus apparently without having seen the original, as: "A new species of *Astragalus* from the south rim of the Grand Canyon. *Leaflets of Western Botany*, 5: 83." It is a title completely contrived to specifically note Barneby's description of *Astragalus cremnophylax*, citing only the page on which the taxnomic name first appears. Readers searching for that title, particularly with the aid of digital resources or through interlibrary copying services, will of course neither locate it nor obtain the complete species description based on that information.

1949 19.2140 Pugillus astragalorum X: New species, varieties and combinations. *American Midland Naturalist*, 41(2) (March): 496-502.

1977 19.5170 Daleae imagines; an illustrated revision of *Errazurizia* Philippi, *Psorothamnus* Rydberg, *Marina* Liebmann, and *Dalea* Lucanus emend. Barneby, including all species of Leguminosae tribe Amorpheae Borissova ever referred to *Dalea*. *New York Botanical Garden, Memoirs*, Volume 27, 892 pp.

► See: *Psorothamnus arborescens* (Torrey) Barneby, pp. 31-32 (notes a population "relatively extensive in the valley of Colorado River upstream from Grand Canyon in northern Arizona")

P. a. var. *pubescens* (Parish) Barneby, pp. 37-38, Plate 4 (pp. 600-601) (notes occurrences in House Rock Valley)

Dalea candida Michaux ex Willdenow var. *oligophylla* (Torrey) Shinners, pp. 248-249, Plate 56 (pp. 704-705) (notes occurrences on Kaibab Plateau).

1979 19.5215 Dragma hippomanicum IV. New taxa of *Astragalus* sect. *Humillimi*. *Brittonia*, 31(4): 459-463.

► See p. 462-463, *Astragalus cremnophylax* Barneby var. *myriorrhaphis*, new variety. Type from "Buckskin Mt. S of Honeymoon Trail, 28 km (17.5 mi.) airline distance E of Fredonia".

1992 19.2906 Centennial beans: A miscellany of American Fabales. *Brittonia*, 44(2): 224-239.

► See p. 238.

Barnett, Don; Opferman, Regis; AND Spenny, Dave

2010 19.4168 Walking Stick enjoyed slide show. *In:* Sticky Notes (News of the Walking Stick Chapter) [SECTION]. *C.C.S.S. News* (Colorado Cactus and Succulent Society), 14(11) (November): 4-5.

► Report on first half of "Canyon Country Slide Show" presented at the October meeting by Deb Veeder and Dave Spenny, including remarks on the conclusion to be presented at the November meeting, which notes a "canoe trip up into the Grand Canyon from Lake Mead" and a trip on the Colorado River through Grand Canyon. (First half of presentation was largely about Upper Basin locales.) For part 2 see Spenny and Veeder (2010, ITEM NO. 19.4169).

Baroni, Timothy J.; Beug, Michael W.; Cantrell, Sharon A.; Clements, Teresa A.; Iturriaga, Teresa; Læssøe, Thomas; Holgado Rojas, María E.; Aguilar, Frank M.; Quispe, Miguel O.; Lodge, D. Jean; AND O'Donnell, Kerry

2018 19.6069 Four new species of *Morchella* from the Americas. *Mycologia*, 110(6) (December): 1205-1221.

► See *Morchella kaibabensis* Beug, T.A. Clem. & T.J. Baroni, new species (pp. 1208-1213); "*Typification*: USA. Arizona: Coconino County, along Forest Road 293, Kaibab Plateau, North Rim, Grand Canyon National Park, 36.40806, –112.26692, 2700 m, with *Picea engelmannii* and *Picea pungens*, 21 May 2017, *T.A. Clements & D.M. Fulton TAC-1708 (KOD1793)* (holotype ARIZ AN043595). Ex-type culture: NRRL 66753. GenBank: ITS = MH014728; *TEF1* = MH014722; *RPB1* = MH014733; *RPB2_a* = MH014738; *RPB2-b* = MH014744." (p. 1208)

Barr, M. E.

1989 19.5145 The Venturiaceae in North America: Revisions and additions. *Sydowia*, 41: 25-40.

► See *Protoventuria arizonica*, new species (pp. 35, 37, figure 17 [p. 36]); type from decaying leaves of *Cercocarpi ledifolii* Nutt., from "North Rim of Grand Canyon, Arizona". Fungus.

Barreto Muñoz, A.; Nagler, P.; Didan, K.; Shafroth, P.; AND González, E.

2019 19.6268 Using time-series satellite vegetation indices to assess fractional plant cover changes and ecological recovery for riparian restoration sites on the Colorado Plateau [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 8.

► *Tamarix* spp. and *Diorhabda* spp.

Bartel, Jim A.

1994 19.218 Cupressaceae; cypress family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 195-200.

Bartlett, O. C.

NO DATE 19.4580 Considering part of the country in Arizona north of the Grand Canyon of the Colorado River. *In:* McComie, A. M., Jacobs, C. C., and Bartlett, O. C., *The Arizona Strip : report of a reconnoissance of the country north of the Grand Canyon.* Phoenix: Arizona Board of Control, pp. 8-19. [1915.]

► Pertains chiefly to agriculture.

Bartos, Dale L.

2007 19.4304 Aspen. *In:* Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 39-55.

► Includes Arizona Strip.

Bartos, Frances Maribel

1972 19.3958 *Pollen in fecal pellets as an environmental indicator.* Master's thesis, University of Arizona, 94 pp.

► Study includes fossil pellets from Stanton's Cave.

Baskauf, Carol J., AND Burke, John M.

2009 19.4321 Population genetics of *Astragalus bibullatus* (Fabaceae) using AFLPs. *Journal of Heredity*, 100(4): 424-431. [Amplified Fragment Length Polymorphism.]

► See p. 429, discussion of study by Travis *et al.* (1996, ITEM NO. 19.1694) from Grand Canyon.

Bateman, Heather L., AND Paxton, Eben H.

2009 19.5702 Saltcedar and Russian olive interactions with wildlife. *In:* Shafroth, Patrick B., Brown, Curtis A., and Merritt, David M. (eds.), Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, pp. 49-63.

Bates, Scott T.

2004 19.5350 *Arizona members of the Geastraceae and Lycoperdaceae (Basidiomycota, Fungi).* Master's thesis, Arizona State University, 435 pp.

2006 19.5351 A preliminary checklist of Arizona macrofungi. *Canotia*, 2(2): 47-78.

Bates, Scott T., AND Barber, Anne

2008 19.3088 A preliminary checklist of Arizona slime molds. *Canotia*, 4(1): 8-19.

Bates, Scott T.; Nash, Thomas H., III; AND Garcia-Pichel, Ferran

2012 19.3885 Patterns of diversity for fungal assemblages of biological soil crusts from the southwestern United States. *Mycologia*, 104(2) (March/April): 353-361.

► Sampling sites include, in the are covered by this bibliography, Fort Pearce, Utah, and Gyp Hills, Arizona.

Bates, Scott T.; Roberson, Robert W.; AND Desjardin, Dennis E.

2009 19.5175 Arizona gasteroid fungi I: Lycoperdaceae (Agaricales, Basidiomycota). *Fungal Diversity*, 37: 153-207.

► See: *Bovista plumbea* Pers. (pp. 166-167, material examined includes "East side Game Road, Kaibab Plateau, Kaibab Nat. Forest, 06 June 1968, R.L. Gilbertson 7874 (ARIZ)")

Disciseda cervina (Berk.) Hollós (pp. 179-180, material examined includes "Near the N Rim of the Grand Canyon; Parashant Nat. Monument [Grand Canyon-Parashant National Monument], 21 May 2003, S.T. Bates STB00484 (hb. Bates)")

Lycopderdon lividum Pers. (pp. 185-186, material examined includes "Near V.T. Ranch [VT Ranch], Kaibab Nat. Forest, 22 October 1933, W.H. Long WHL7871 (BPI)")

L. marginatum Vittad. (pp. 186-188, material examined includes "Grand Canyon, 01 August 1930, R.B. Street WHL7893 (BPI)")

L. molle Pers. (pp. 188-190, material examined includes "Grand Canyon, 01 August 1930, R.B. Street WHL7892c (BPI)")

L. rimulum Peck ex Trel. (pp. 195-196, material examined includes "Grand Canyon, 01 August 1930, R.B. Street WHL7892b (BPI)").

Baxter, E. M.

1933 19.5726 *Opuntia aurea*—a new species. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 5: 489-490.

► Type locality "½ mile north of Pipe Springs on the Kaibab Indian Reservation, Arizona."

Beal, Mary

1944 19.6453 Desert's scarlet buglers. *Desert Magazine*, 7(7) (May): 17-18.

► Penstemmon. Includes notes of occurrences of species in Grand Canyon area, *in passing*.

Bean,Tom

2010 19.3233 A Utah juniper spreads out at Trailview Overlook on the Grand Canyon's South Rim. *In:* Bunyan, Paul (ed.), Branching out; a portfolio. *Arizona Highways*, 86(8) (August): 30-41.

Beath, O. A.; Gilbert, C. S.; AND Eppson, H. F.

1939 19.2086 The use of indicator plants in locating seleniferous areas in western United States. II. Correlation studies by states. *American Journal of Botany*, 26(5): 296-315.

Beattie, Mollie H.

1994 19.4890 Endangered and Threatened wildlife and plants; Determination of Endangered status for the plant *Ipomopsis Sancti-Spiritus* (Holy Ghost ipomopsis). *Federal Register*, (April 22).

▶ Includes possible population near Grand Canyon.

Beckett, Kenneth A.

1970 19.220 Some plants of the Grand Canyon. *Royal Horticultural Society, Journal*, 95(5): 226-229, figures [following p. 214] 124-126, 129, 130.

Bellamy, David

1983 19.5407 *Bellamy's New World : a botanical history of America.* New York: British Broadcasting Corporation, and Parkwest Publications, 192 pp.

▶ See pp. 23-26, 28-29, 99.

Bell, Robert A.

1986 19.6171 *Endolithic algae of semi-desert sandstones: Systematic, biogeographic and ecophysiologic investigations.* Doctoral dissertation, Arizona State University, 152 pp.

1993 19.233 Cryptoendolithic algae of hot semiarid lands and deserts. *Journal of Phycology*, 29(2) (April): 133-139.

Bell, Robert A.; Athey, Patrick V.; AND Sommerfeld, Milton R.

1986 19.234 Cryptoendolithic algal communities of the Colorado Plateau. *Journal of Phycology*, 22: 429-435.

1988 19.235 Distribution of endolithic algae on the Colorado Plateau of northern Arizona. *Southwestern Naturalist*, 33(3): 315-322.

Belnap, Jayne

1991 19.4040 Sensitivity of desert cryptogams to air pollutants: Soil crusts and rock lichens. *In:* Mangis, Deborah, Baron, Jill, and Stolte, Kenneth (eds., conference coordinators), *Acid Rain and Air Pollution in Desert Park Areas : proceedings of a workshop, May 16-18, 1988, and management recommendations, Tucson, Arizona.* U.S. National Park Service, Technical Report NPS/NRAQD/NRTR-91/02, pp. 112-119.

2008 19.2751 Biological soil crusts—webs of life in the desert. *Grand Canyon River Runner*, (7) (Fall): 5-6.

Belote, R. Travis; Makarick, Lori J.; Kearsley, Michael J. C.; AND Lauver, Chris L.

2010 19.3319 Tamarisk removal in Grand Canyon National Park: Chagning the native–non-native relationship as a restoration goal. *Ecological Restoration*, 28(4): 449-459.

Bennett, James P., AND Wetmore, Clifford M.

2005 19.3434 Lichens of the U.S. national parks. *The Bryologist*, 108(4): 544-553.

Bennett, Peter S.

1969 19.245 Some notes on the vegetation of the Inner Gorge. *In:* Geology and natural history of the Grand Canyon region. *Four Corners Geological Society, 5th Field Conference, Guidebook*, pp. 25-34.

1974 19.246 The ecological role of fire in North Rim forests, Grand Canyon National Park. *Plateau*, 46: 168-181.

Bennett, Peter S., AND Kunzmann, Michael

1982 19.6257 *LD50, a tool describing the relationship between fire energy release rate and tree mortality.* Tucson: University of Arizona, Cooperative National Park Resources Studies Unit, Western Archeological and Conservation Center, SEPARATELY PAGINATED SECTIONS [34 pp. total].

► Study area is Point Sublime, Grand Canyon.

Bennett, Peter S.; Phillips, A. M., III; Ruffner, George A.; Carothers, Steven W.; AND Johnson, R. Roy

1979 19.6463 Effects of burro foraging on four types of Grand Canyon vegetation [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 250.

1980 19.2179 Effects of burro foraging on four types of Grand Canyon vegetation. *In:* U.S. National Park Service, *Proceedings of the Second Conference of Scientific Research in the National Parks, San Francisco, California, November 26-30, 1979*, pp. 319-337.

Benson, Bernard W.

1957 19.5299 A new cactus from Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 29 (September/October): 136-137.

► *Pediocactus paradinei*, new species, from House Rock Valley.

Benson, Lyman

1944 19.3117 A revision of some Arizona Cactaceae. *California Academy of Sciences, Proceedings*, Series 4, 25(10): 245-268, Plate 25.

1950 19.247 *The cacti of Arizona.* Tucson: University of Arizona Press, 2nd ed. (published at University of New Mexico Press, Albuquerque), 134 pp.

► A mimeographed index to the 2nd ed. was compiled by Walter S. Phillips, Department of Botany and Range Ecology, University of Arizona, 6 pp.

1962 19.5092 A revision and amplication [*sic*] of *Pediocactus* IV. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 34: 163-168.

1969 19.248 *The cacti of Arizona.* (Drawings by Lucretia Breazeale Hamilth.) Tucson: University of Arizona Press, 3rd ed., 218 pp.

Benson, Lyman, AND Darrow, Robert A.

1944 19.249 A manual of southwestern desert trees and shrubs. *University of Arizona, Bulletin*, 15(2) (Biological Science Bulletin, 6), 411 pp.

Bernstein, Eli J.

2008 19.2689 Rangeland restoration: Proceed with caution. *Colorado Plateau Advocate*, (Winter/Spring): 16-17, 21.

Berstein, Eli J.; Albano, Christine M.; Sisk, Thomas D.; Crews, Timothy E.; AND Rosenstock, Steve

2014 19.4929 Establishing cool-season grasses on a degraded arid rangeland of the Colorado Plateau. *Restoration Ecology*, 22(1) (January): 57-64.

► House Rock Valley, Arizona.

Bernstein, Rosemary, AND Kyle, Sandy

1988 19.258 Abundance and distribution of the exotic camelthorn (*Alhagi camelorum*) on the Colorado River from Lees Ferry to Diamond Creek. *In: Colorado River Investigations VI : July/August, 1987* (supervised by Stanley S. Beus, Steven W. Carothers, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 82-88.

Besom, Kim, AND Hyde, Colleen L.

2014 19.5462 Grand Canyon Museum Collection Herbarium (GCNP) Grand Canyon National Park. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 16.

Beymer, Renee June

1989 19.260 *The effects of grazing on and carbon contribution of cryptogamic crust in pinyon-juniper woodlands.* Master's thesis, Arizona State University, 80 pp.

Beymer, Renee J., AND Klopatek, Jeffrey M.

1987 19.261 Effects of grazing on cryptogamic soil crusts in Grand Canyon National Park [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 22 (1987 Proceedings Supplement): 17.

1992 19.262 Effects of grazing on cryptogamic crusts in pinyon-juniper woodlands in Grand Canyon National Park. *American Midland Naturalist*, 127(1) (January): 139-148.

Bicknese, Veroniek

2019 19.6549 Verslag van de bijeenkomst op 18 november 2019. *Grunneger Succulentenproat* (Succulenta Afdeling Groningen en Ommelanden, Zuidbroek), 63(10) (December): [6]-[11]. [In Dutch.]

► See "Lezing door Andre van Zuijlen over Arizona en Californië" (pp. [6]-[10]). Includes Grand Canyon.

Bierner, Mark W.

1993 19.264 *Hymenoxys jamesii* (Asteraceae: Heliantheae): a new species from Arizona. *Madroño*, 40: 38-46.

► *NOTE*: *H. jamesii* not from immediate Grand Canyon region. Other species noted in this paper are from this area.

Birkeland, Ginger Hinchman *see also* Hinchman, Virginia H.

1996 19.6373 Riparian vegetation and sandbar morphology along the lower Little Colorado River, Arizona. *Physical Geography*, 17(6): 534-553.

► Two study sites: "ephemeral site" near U.S. Geological Survey stream gage below Cameron, and "perennial site" between Salt Trail Canyon and Colorado River confluence.

Blake, Sidney F.

1913 19.2805 Contributions from the Gray Herbarium of Harvard University.—New Series, No. XLI. I. A redisposition of the species heretofore referred to *Leptosyne*. II. A revision of *Encelia* and some related genera. *American Academy of Arts and Sciences, Proceedings*, 49(6) (September): 335-396.

► See in II., pp. 361, 364.

1918 19.6206 A revision of the genus *Viguiera*. *Gray Herbarium of Harvard University, Contributions*, (54), 205 pp.

► See *Viguiera deltoidea* Gray var. *parishii* (Greene) Vasey & Rose (p. 91); material examined includes "Grand Canyon, *Moseley* (K.); l. c., 1885, *Asa Gray* (G.)". (The Asa Gray gathering is likely from near Peach Springs.) In this publication this species is placed under subgenus *Amphilepis* (new subgenus [type species *V. excelsa* (Willd.) B. & H.], section *Chloracra* (new section), series *Dentatae* (new series).

1927 19.270 A new *Hymenothrix* from Arizona. *Biological Society of Washington, Proceedings* (Washington, D.C.), 40: 49-50.

► *Hymenothrix loomisii*, new species; localities include Peach Springs, Arizona (non-type). Type from Ash Fork, Arizona (extralimital to this bibliography).

1940 19.5053 New species and new names among Arizona Asteraceae. *Washington Academy of Science, Journal*, 30: 467-472.

► See *Chrysothamnus viscidiflorus* (Hook.) Nutt. var. *molestus*, new variety (pp. 468-469); type and duplicate type "between Williams and Grand Canyon, west of San Francisco Mountain, on plains, Sept. 27, 1920, *Hall* 11199 (type no. 1288511, U. S. Nat. Herb.; duplicate, Herb. Univ. Calif. no. 205819)". Other localities: "On limestone slope in edge of piñon belt, easterly base of San Francisco Mountain, 45 miles from Flagstaff, Sept. 26, 1920, *H. M. Hall* 11184 (Herb. Univ. Calif. no. 205824)"; "open rocky park, Tusayan Forest, T. 23 N., R. 3 E., altitude 2,135 m, Sept. 9, 1912, *A. D. Read* 165 (U. S. For. Serv. Herb. 5439)".

Blauer, A. Clyde; Plummer, A. Perry; McArthur, E. Durant; Stevens, Richard; AND Giunta, Bruce C.

1975 19.4695 Characteristics and hybridization of important Intermountain shrubs. I. Rose family. *U.S. Forest Service, Intermountain Forest and Range Experiment Station, Research Paper INT-169*, 36 pp.

► See *Cowania mexicana* var. *stansburiana*, pp. 15-20 (particularly p. 17); and *Fallugia paradoxa*, pp. 20-23. See also Baker *et al.* (1984, ITEM NO. 19.4694. Regarding a putative natural hybrid between Stansbury cliffrose (*Cowania mexicana* D. Don var. *stansburiana* (Torr.) Jeps.) and Apache plume (*Fallugia paradoxa* (D. Don) Endl.) from Ranger Pass, Kaibab National Forest.

Blinn, Dean W., AND Cole, Gerald A.

1991 19.273 Algal and invertebrate biota in the Colorado River: comparison of pre- and post-dam conditions. *In:* [National Research Council], Commission on Geosciences, Environment, and Resources, Water Science and Technology Board, Committee to Review the Glen Canyon Environmental Studies, *Colorado River ecology and dam management : proceedings of a symposium, May 24-25, 1990, Santa Fe, New Mexico.* Washington, D.C.: National Academy Press, pp. 102-123.

Blinn, Dean W.; Pinney, C.; Truitt, R.; AND Pickart, A.

1986 19.274 *The influence of elevated water temperatures on epiphytic diatom species in the tailwaters of Glen Canyon Dam and the importance of these epiphytic diatoms in the diet of* Gammarus lacustris *: final report.* Salt Lake City: U.S. Bureau of Reclamation.

Blinn, Dean W.; Shannon, Joseph P.; Benenati, Peggy L.; AND Wilson, Kevin P.

1998 19.275 Algal ecology in tailwater stream communities: the Colorado River below Glen Canyon Dam, Arizona. *Journal of Phycology*, 34(5) (October): 734-740.

Blinn, Dean W.; Truitt, R.; AND Pickart, A.

1989 19.280 Response of epiphytic diatom communities from the tailwaters of Glen Canyon Dam, Arizona, to elevated water temperature. *Regulated Rivers: Research and Management*, 4: 91-96.

Blum, Wolfgang, AND Felix, Dieter

2013 19.4338 *Echinocereus decumbens* Clover & Jotter; ein ungeklärtes Taxon. *Echinocereus Online-Journal* (Germany), 1(2) (April): cover, inside front cover, 56-74. [In German, with abstract also in English.]

► Entirely Marble Canyon and Grand Canyon.

Blum, Wolfgang, AND Lange, Michael

2013 19.4337 "Altes" von Comondu—"interessantes" von der Baja. *Echinocereus Online-Journal* (Germany), 1(2) (April): 38-44. [In German.]

► Regarding cacti. Includes Grand Canyon and Kaibab Plateau.

Boehm, Gerhard, AND Boehm, Gisela

2014 19.6913 Cacti along US Highway 89A, Arizona. From Navajo Bridge to Jacob Lake. *CactusWorld* (British Cactus and Succulent Society), 32(3): 179-184.

Bonnefond, Jean

2010 19.5553 *Pediocactus*; i primi anni di coltivazione. *Pediocactus*; the early years of cultivation. *Cactus & Co.* (Rassegna di Coltivazione, Collezionismo e Botanica) (Associazione Internazionale/International Society, Bavino, Italy), 14(1): 28-47. [In parallel Italian and English texts.]

► Southwestern U.S., including Marble Canyon area, Arizona (see specifically illustration of *Echinocereus engelmannii* and *Pediocactus bradyi* ssp. *bradyi*, p. 33).

Boufford, David E.

1992 19.294 Urticaceae; nettle family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 42-49.

Bousselot, Jennifer M.; Muenchrath, Deborah; Knapp, Allen D.; AND Reeder, Jean D.

2017 19.5872 Emergence and seedling chracteristics of maize native to the southeastern US. *American Journal of Plant Sciences*, 8: 1304-1318.

► Includes Havasupai and Havasupai-Hopi, and Hopi varieties.

Bowers, Janice E.

1981 19.6436 Local floras of Arizona: An annotated bibliography. *Madroño*, 28(4) (October): 193-209.

1997 19.296 Demographic patterns of *Ferocactus cyclindraceus* in relation to substrate age and grazing history. *Plant Ecology*, 133(1): 37-48.

Bowers, Jan E. [Bowers, Janice E.]**; Johnson, R. Roy; Phillips, Arthur M., III; AND Phillips, Barbara G.**

1979 19.6460 Resource values of the aquatic and riparian vegetation of Roaring Springs, Grand Canyon [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 111.

Bowers, Janice E.; Webb, Robert H.; AND Pierson, Eliizabeth A.

1997 19.297 Succession of desert plants on debris flow terraces, Grand Canyon, Arizona, U.S.A. *Journal of Arid Environments*, 36(1) (May): 67-86.

Bowers, Janice E.; Webb, Robert H.; AND Rondeau, Renée J.

1995 19.298 Longevity, recruitment and mortality of desert plants in Grand Canyon, Arizona, USA. *Journal of Vegetation Science*, 6(4): 551-564.

Bowser, Curtis W.

1958 19.299 Introduction and spread of the undesirable tamarisks in the Pacific Southwest Section of the United States and comments concerning the plants' influence upon the indigenous vegetation. *In: Symposium on phreatophytes : reports presented at*

Pacific Southwest Regional Meeting, American Geophysical Union, Sacramento, California, February 14, 15, 1957. Phreatophyte Subcommittee of Pacific Southwest Inter-Agency Committee, pp. 12-17.

Boykin, Marcus A.

1992 19.3037 [Request.] *In:* Research news and notes [SECTION]. *International Lichenological Newsletter*, 25(1) (February): 3.

► "Boykin, Marcus (Tempe, USA) is embarking on a study of the lichens of the Grand Canyon National Park and would appreciate records for any collections made at the park." (ENTIRE ITEM)

1993 19.300 *Floristics and elemental concentrations of lichens from Grand Canyon National Park, Arizona.* Master's thesis, Arizona State University, 68 pp.

Boykin, Marcus A., AND Nash, Thomas, H., III

1995 19.301 The lichen flora of Grand Canyon National Park, Arizona. *Arizona-Nevada Academy of Science, Journal*, 28(1/2): 59-69.

Braem, Selma

1947 19.4135 More frightened trees. *In:* Letters [SECTION]. *Desert Magazine*, 10(8) (June): 35.

► With regard to the article by Toney Richardson in March issue (ITEM NO. 19.4133). Recalls a similar region "north of Peach Springs, Arizona, on the Frazier's well road, I think".

Brand, A.

1907 19.3752 IV. 250. Polemoniaceae. *In:* Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus.* Leipzig: Verlag von Wilhelm Engelmann, 203 pp. [In German.]

► Grand Canyon, see *Gilia pungens* (Torr.) Benth. in DC subsp. *eu-pungens* Brand var. *hookeri* (Dougl.) Brand, p. 126.

1913 19.3753 IV. 251. Hydrophyllaceae. *In:* Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus.* Leipzig: Verlag von Wilhelm Engelmann, 210 pp. [In German.]

► Grand Canyon, see *Phacelia glechomifolia* A. Gray, p. 122; *P. filiformis* Brand, p. 123.

1931 19.6327 IV. 252. Borraginaceae-Borraginoideae-Cryptantheae. *In:* Engler, A. (ed.), *Das Pflanzenreich. Regni vegetabilis conspectus.* Leipzig: Verlag von Wilhelm Engelmann, 236 pp. [In German.]

► Grand Canyon (Diamond Creek), see *Cryptantha* (*Krynitzkia*) *nevadensis* Nelson et Kennedy, pp. 39-40.

Bransky, N. D.; Sankey, T. T.; Sankey, J. B.; Johnson, M. J.; AND Jamison, L.

2022 19.6823 Monitoring *Tamarix* changes using satellite imagery in Grand Canyon National Park, Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 18.

Brasher, Jeffrey W.

1998 19.304 Celastraceae; staff-tree family, bitter-sweet family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 57-60.

1999 19.1924 Simaroubaceae; simarouba, quassia family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 85-87.

2001 19.2016 Betulaceae birch family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 1-8.

2001 19.2017 Rosaceae rose family, part one. *Rubus* L.; raspberries, blackberries, thimbleberries. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 50-57.

2003 19.2392 Ulmaceae; elm family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 35(2): 170-176.

Breck, Stewart W.; Goldstein, Michael I.; AND Pyare, Sanjay

2012 19.5089 Site-occupancy monitoring of an ecosystem indicator: Linking characteristics of riparian vegetation to beaver occurrence. *Western North American Naturalist*, 72(4): 432-441.

► Study area along Colorado River from Glen Canyon Dam to the western boundary of Grand Canyon National Park.

Breitung, August J.

1956 19.2181 In search for agaves. *Cactus Chronicle* (Los Angeles Cactus and Succulent Society), 5(8): 41-43.

Breslin, Peter B.

2012 19.5101 Tiny stars: Four cryptic cacti of northern Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 84(5): cover, 228-232.

2022 19.6824 Potential impacts of climate change on narrowly distributed endemic *Pediocactus* (Cactaceae) species in northwestern Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 19.

Breslin, Peter; Romero, Rob; Starr, Greg; AND Watkins, Vonn

2015 19.4910 (WITH Doug Dawson, Matt Johnson, A. Dean Stock, and David Yetman) *Field guide to cacti and other succulents of Arizona.* Tucson: Tucson Cactus and Succulent Society, 302 pp.

Bretting, P. K.

1982 19.2087 Morphological differentiation of *Proboscidea parviflora* ssp. *parviflora* (Martyniaceae) under domestication. *American Journal of Botany*, 69(10) (November/December): 1531-1537.

Bretting, P. K., AND Nabhan, G. P.

1986 19.5331 Ethnobotany of Devil's Claw (*Proboscidea parviflora* ssp. *parviflora*: Martyniaceae) in the greater Southwest. *Journal of California and Great Basin Anthropology*, 8(2): 226-237.

Brian, Nancy J.

1982 19.306 *A preliminary study of the riparian coyote willow communities along the Colorado River in Grand Canyon National Park, Arizona.* Master's thesis, Northern Arizona University, 84 pp.

1987 19.5511 *Aerial photography comparison of 1983 high flow impacts to vegetation at eight Colorado River beaches.* Grand Canyon, Arizona: U.S. National Park Service, Grand Canyon National Park, *for* U.S. Bureau of Reclamation, Upper Colorado Region, Glen Canyon Environmental Studies, Salt Lake City, 68 pp. (Terrestrial Biology of the Glen Canyon Environmental Studies.)

► Study sites (as listed in Figure 1, p. 4): Saddle, Nankoweap I and II, Awatubi, Phantom Ranch Grand Canyon Gaging Station, Bass, Forster, Lava I and II.

1988 19.5512 Aerial photography comparison of 1983 high flow impacts to vegetation at eight Colorado River beaches. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 245-255.

1996 19.307 Exotic plants; alien invasions at Grand Canyon. *Nature Notes* (Grand Canyon National Park), 12(1) (Spring): 4-7.

1996 19.308 Meet Grand Canyon's floral endemics. *Nature Notes* (Grand Canyon National Park), 12(2) (Summer): 4-6.

1997 19.309 Grandest of the Grand; the Park's big trees. *Nature Notes* (Grand Canyon National Park), 13(1) (Spring): 4-6, 12.

1997 19.6727 *Sentry milk-vetch (*Astragalus cremnophylax *var.* cremnophylax*) survey handbook.* U.S. National Park Service, Grand Canyon National Park, Grand Canyon Science Center, 45 pp.

► Supersedes Warren (1993).

1998 19.310 [Japanese pagoda-trees, *Sophora japonica*, in front of El Tovar.] *In:* Grand Canyon happenings. *Nature Notes* (Grand Canyon National Park), 14(2) (Winter): 5.

1999 19.311 Recent observations on the ecology and distribution of *Argemone arizonica* Owenby (Papaveraceae). *Arizona-Nevada Academy of Science, Journal*, 31(2): 101-102. [Date "1998 [Distributed March 1999]" (square brackets thus).]

2000 19.1925 *A field guide to the special status plants of Grand Canyon National Park.* Grand Canyon, Arizona: Science Center, Grand Canyon National Park, unpaginated. [Loose-

leaf format, alphabetically arranged to facilitate updating with separate leaves. 75 copies only.]

2000 19.1981 (COMPILER) Checklist of non-vascular plants of Grand Canyon National Park, Arizona; kingdoms Monera, Protista, Fungi, and Plantae (phylum Bryophyta). *Notulae Naturae* (Academy of Natural Sciences of Philadelphia), (474), 20 pp.

► *NOTE (added for this bibliography)*: This paper includes records of diatoms (Bacillariophyceae) from previously uncollected localities, and some new taxonomic records for Grand Canyon diatoms, that were determined from material collected by Earle Spamer along the Colorado River and tributaries. Identifications were made by the environmental staff at the Academy of Natural Sciences of Philadelphia. Sample processing, identifications, and publication were funded by a grant that had been available to Brian. Spamer also was Managing Editor for the Academy's Scientific Publications section.

2000 19.2004 Back from the brink: the success story of the sentry milk-vetch at Grand Canyon National Park. *Nature Notes* (Grand Canyon National Park), 16(2) (Winter): 6-7, 10.

► *Astragalus cremnophylax* Barneby var. *cremnophylax*.

2001 19.2036 Additions to the flora of the Grand Canyon region—III. *Arizona-Nevada Academy of Science, Journal*, 33(2): 151-153.

► For part "I" see Ayers *et al.* (1995, ITEM NO. 19.193). For part "II" see Brian *et al.* (2000, ITEM NO. 19.1960).

Brian, Nancy J., AND Spamer, Earle E.

1999 19.312 Knowlton hop hornbeam revisited. *Nature Notes* (Grand Canyon National Park), 15(1) (Summer): 3-5.

► *Ostrya knowltonii* Cov.

2000 19.1926 Knowlton hop-hornbeam revisited (*Ostrya knowltonii* Cov.). *Bartonia*, (60): 49-56.

Brian, Nancy; Hodgson, Wendy C.; AND Phillips, Arthur M., III

2000 19.1960 Additions to the flora of the Grand Canyon region—II. *Arizona-Nevada Academy of Science, Journal*, 32(2) [1999]: 117-128. [Distributed May 2000.]

► For part "I" see Ayers *et al.* (1995, ITEM NO. 19.193). For part "III" see Brian (2001, ITEM NO. 19.2036).]

Briesen, Derek von

2014 19.4297 New Mexico locusts mingle with aspens on the Grand Canyon's North Rim. *In:* Kida, Jeff (ed.), May flowers; a portfolio. *Arizona Highways*, 90(5) (May): 38, 39.

Brinda, John C.; Stark, Lloyd R.; Clark, Theresa A.; AND Greenwood, Joshua L.

2016 19.5250 Embryos of a moss can be hardened to desiccation tolerance: effects of rate of dryng on the timeline of recovery and dehardening in *Aloina ambigua* (Pottiaceae). *Annals of Botany*, 117(1) (January): 153-163.

► Culture technique based on "shoots from a herbarium specimen", "*Brinda 2024*: USA, Arizona, Mohave County, Grand Canyon-Parashant National Monument, Parashant Canyon, 36.155415N, 113.332383W (WGS84), elevation 774 m, 29 June 2008, on soil" (p. 155).

Britton, N. L. [Britton, Nathaniel Lord]

1890 19.3270 New or noteworthy North American phanerogams.—III. *Torrey Botanical Club, Bulletin*, 17(12) (December): 310-316.

► See p. 313, *Cassia crotolarioides* Knuth var. *leucophylla* Benth.

1896 19.3271 Contributions from the Herbarium of Columbia College.—No. 16. New or noteworthy North American phanerogams.—III. *Columbia College, Herbarium, Contributions*, 1(16).

► Facsimile reprinting, retaining original pagination, from *Torrey Botanical Club, Bulletin*, 17(12) (December): 310-316. See p. 313, *Cassia crotolarioides* Knuth var. *leucophylla* Benth.

Britton, N. L., AND Rose, J. N. [Britton, Nathaniel Lord, AND Rose, Joseph Nelson]

1919 19.5149 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 1*, 236 pp.

► See *Opuntia hystricina* Engelmann and Bigelow (pp. 197-198). Notes, "We have referred here a very remarkable form collected by E. W. Nelson at Lee's Ferry, Arizona, in 1909. [. . .] This may be the plant listed in Wienberg's catalogue, also from the Grand Canyon, under the name of *Opuntia hochderfferi*." *O. hochderfferi*, nomen nudum.

1922 19.5150 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 3*, 255 pp.

► See *Echinocactus xeranthemoides* (Coulter) Engelmann in Rydberg (pp. 173-174). Type locality noted as "Kanab Plateau on the borders of Utah and Arizona"; also noted from Peach Springs, Arizona. Coulter's originally referred material (refer to Coulter, 1896, ITEM NO. 19.5151) was examined, but "Suer's plant from Kanab Mountains, referred to by Coulter, is missing."

1923 19.5138 The Cactaceae; descriptions and illustrations of plants of the cactus family. *Carnegie Institution of Washington, Publication 248, Volume 4*, 318 pp.

► See *Coryphantha arizonica* (Engelmann) (pp. 45-46). Includes (p. 46): "Plate v [p. 49, color plate], figure 5, shows a plant sent by M. A. H. Spencer from the Grand Canyon, Arizona, in May 1907, which afterwards flowered in Washington." (ENTIRE NOTE)

Brock, John H.

2003 19.3857 Arizona saltcedar projects. *Proceedings : Saltcedar and Water Resources in the West Symposium, July 16-17, 2003, San Angelo Convention Center, San Angelo, Texas*, pp. 148-157.

Brooks, Matt L. [Brooks, Matthew L.]**; Deuser, Curt; Matchett, J. R.; Smith, Helen; AND Bastian, Henry**

2006 19.3863 *Effects of fuel management treatments in piñon-juniper vegetation at a site on the Colorado Plateau : Joint Fire Science Project Number 03-3-3-58 : final report.* [No imprint], *for* U.S. National Interagency Fire Center, Joint Fire Science Program, Boise, Idaho, 21 pp.

Brooks, Matthew L.; Esque, Todd C.; AND Duck, Tim

2007 19.3968 Creosotebush, blackbrush, and interor chaparral shrublands. *In:* Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 97-110.

▶ Includes Arizona Strip.

Brooks, Matthew L.; Klinger, Robert; Chase, Jennifer; AND Deuser, Curt

2010 19.4287 Evaluating postfire seeding treatments designed to suppress cheatgrass (*Bromus tectorum*) in a ponderosa pine forest on the Colorado Plateau. [El Portal, California]: U.S. Geological Survey, Western Ecological Research Center, Yosemite Field Station, El Portal Office, *for* Joint Fire Science Program, Boise, Idaho, "revised and reprinted", 38 pp. (*U.S. Geological Survey, Administrative Report*; final report for project 05-2-1-17.)

▶ Study area is Pine Valley Meadow, "Grand Canyon-Parashant region of the Lake Mead National Recreation Area" [*sic*] (Grand Canyon-Parashant National Monument).

Brown, David E.

1982 19.355 Biotic communities of the American Southwest—United States and Mexico. *Desert Plants*, 4(1/4): 1-342 [special issue]. [Published by University of Arizona, *for* Boyce Thompson Southwestern Arboretum. Accompanied by map (Brown and Lowe, 1980, ITEM NO. 19.358).]

Brown, David E., AND Lowe, Charles H.

1974 19.6418 The Arizona system for natural and potential vegetation—illustrated summary through the fifth digit for the North American Southwest. *Arizona Academy of Science, Journal*, 9(3, Supplement) (November): 1-56.

1980 19.358 [Map.] Biotic communities of the Southwest. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-78*, revised 1983, supersedes General Technical Report RM-41, scale 1:1,000,000, 1 sheet.

Brunet, Johanne

2009 19.3281 Pollinators of the Rocky Mountain columbine: temporal variation, functional groups and associations with floral traits. *Annals of Botany*, 103: 1567-1578.

▶ Study sites include Grand Canyon North Rim.

Brunet, Johanne; Larson-Rabin, Zachary; AND Stewart, Christy M.

2012 19.4148 The distribution of genetic diversity within and among populations of the Rocky Mountain columbine: The impact of gene flow, pollinators, and mating system. *International Journal of Plant Science*, 173(5): 484-494.

▶ Data include four populations on North Rim of Grand Canyon.

Bruno, Frank

2006 19.2640 Tammy-whackin'. *Canyon Views* (Grand Canyon Association), 12(1) (Spring): 4-5.

▶ Tamarisk eradication.

Bryant, Harold C.

1941 19.6887 New species of cacti reported for Grand Canyon National Park. *Park Service Bulletin* (U.S. National Park Service, Washington, D.C.), 11(4) (July/August): 7.

► Notice of the article by Clover and Jotter (1941), submitted by the Grand Canyon National Park Superintendent. Misspells Elzada Clover as "Elsada" and boatman Norman Nevills as "Nevilles".

Büdel, Burkhard, AND Wessels, Dirk C. J.

1991 19.389 Rock inhabiting blue-green algae/cyanobacteria from hot arid regions. *Archiv für Hydrobiologie*, Supplementband 92 (Algological Studies 64): 385-398.

Bulletts, Angela

NO DATE 19.5725 *Botany tour : Kaibab Paiutes.* [No imprint], folded brochure.

► Front panel notes, "By Angela Bulletts, formerly officer with Kaibab Paiute Tribe, Now District Manager of Phoenix District Office of the BLM"; last panel also notes, "Lee E. Hughes, Retired Ecologist".

Bungart, Peter; Jackson-Kelly, L.; Cannon, C.; AND Jackson, B.

2015 19.4844 Approaches to integrating Hualapai TEK in cultural resources monitoring along the Colorado River in Grand Canyon [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 13.

► Traditional ecological knowledge. Principally regarding culturally significant plants.

Burak, Gale

1994 19.390 All about a tree and a pot. *O' Pioneer* (Grand Canyon Pioneers Society), 5(sample): 1, 3.

► A lone Ponderosa pine growing in the Inner Gorge is mentioned. [See also Williams and Hatcher (2017, ITEM NO. 19.5271).]

Burger, Dustin

2009 19.5107 Cheatgrass treatment after the Warm Fire, North Kaibab Ranger District. *In:* Notes from the Field [SECTION]. *SouthWest Vegetation Management Association*, 5(2) (October): 3.

Burgess, Edward S.

1897 19.3639 Torrey Botanical Club, October 27, 1897. *Science*, New Series, 6 (December 24): 967-968.

► See p. 968, notes regarding a paper presented by John K. Small "On the Genus Eriogonum North of Mexico"; specifically, comments on the paper by "Dr. Allen",

including, "Dr. Allen spoke of finding two or three species of *Eriogonum* in the Grand Cañon of the Colorado last summer, and described his descent of the cañon by mule trail, and also his journey to California in search of Characeae." (ENTIRE NOTE)

Burke, Kelly J.

2003 19.2442 Thinking about tamarisk. *Boatman's Quarterly Review*, 16(4) (Winter): 11.

Burnett, Howard

1991 19.394 Green island in the sky. *American Forests*, 97 (May/June): 44-47+.

► Kaibab National Forest.

Burnight, Ron

2013 19.4431 Humor: As sure as death and tax . . . onomy. *Cactus Chatter* (Oregon Cactus and Succulent Society), (September/October): 5. [Ellipsis is part of title.]

► ". . . the following article was submitted by Ron Burnight and published in the April, 1994 Cactus Chatter and again in the June, 2007 edition." Includes brief note of observing *Echinocactus anthemoides* var. *xeranthemoides* near Marble Canyon, Arizona.

Busco, Janice K.

2012 19.4467 Sentry milkvetch (*Astragalus cremnophylax* var. *cremnophylax*) update. *Calochortiana* (Utah Native Plant Society), (1) (December): 106-109.

Busco, Janice K.; Douglas, Emily; AND Kapp, Jennifer

2011 19.4196 Preliminary pollination study on sentry milk-vetch (*Astragalus cremnophylax* Barneby var. *cremnophylax*), Grand Canyon National Park's only Endangered plant species. *The Plant Press* (Arizona Native Plant Society), 35(1) (Summer): 11-13.

Busek, Josef

1987 19.6954 Pediocactus peeblesianus (Croizat) L. Benson und seine Varietäten—kleine Juwelen aus dem Südwesten der USA. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 38(7) (July): 158-161. [In German.]

► Includes Grand Canyon.

Butterfield, Bradley J., AND Palmquist, Emily C.

2023 19.6850 Divergent physiological responses of hydric and mesic riparian plant species to a Colorado River experimental flow. *Plant Ecology*, 225(3): 125-133.

► Colorado River in Grand Canyon. *Schedonerous arundinaceus*, a hydric grass, and *Pluchea sericea*, a mesic shrub.

2024 19.6851 Inundation tolerance, rather than drought tolerance, predicts riparian plant distributions along a local hydrologic gradient. *Wetlands*, 44(1) (January): (doi.10.1007/s13157-023-0173902).

► Colorado River in Grand Canyon.

2024 19.7000 Modeling impacts of different reservoir management scenarios on riparian plant communities and vegetation resources. *In:* Yackulic, Charles B., *et al.*, *Modeling the impacts of Glen Canyon Dam operations on Colorado River resources : prepared in cooperation with the U.S. Geological Survey as part of Interagency Agreement R24PG00010 (USBR)—NEPA Modeling Project.* Flagstaff, Arizona: U.S. Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center, pp. 95-124. [NEPA: National Environmental Policy Act.]

Butterfield, Bradley J.; Grams, Paul E.; Durning, Laura E.; Hazel, Joseph; Palmquist, Emily C.; Ralston, Barbara E.; AND Sankey, Joel B.

2020 19.6558 Associations between riparian plant morphological guilds and fluvial sediment dynamics along the regulated Colorado River in Grand Canyon. *River Research and Applications*, 36(3) (March): 410-421 + Supporting Information online, https://doi.org/10.1002/rra.3589.

► Also, "Data availability statement: The remotely sensed vegetation classification data are published by Durning et al. (2018). The digital elevation model data are available from the USGS ScienceBase-Catalog (Grams et al. 2020)." (No links provided.)

Butterfield, Bradley J.; Palmquist, Emily C.; AND Hultine, Kevin R.

2021 19.6575 Regional coordination between riparian dependence and atmospheric demand in willows (*Salix* L.) of western North America. *Diversity and Distributions*, 27: 377-388 + Suporting information online (7 appendices).

Butterfield, Bradley J.; Palmquist, Emily C.; AND Ralston, Barbara

2018 19.6066 Hydrological regime and climate interactively shape riparian vegetation composition along the Colorado River, Grand Canyon [ABSTRACT]. *In:* Minchin, Peter R., and Roberts, David W. (eds.), *International Association for Vegetation Science 61st Annual Symposium : Natural Ecosystems as Benchmarks for Vegetation Science : Bozeman, Montana, USA, 22-27 July, 2018 : abstracts.* [No place]: International Association for Vegetation Science, and Montana State University, p. 29.

2018 19.5999 Hydrological regime and climate interactively shape riparian vegetation composition along the Colorado River, Grand Canyon. *Applied Vegetation Science*, (June 19): 21(4) (October): 572-583 + Appendix S1 online at https://onlinelibrary.wiley.com/doi/abs/10.1111/avsc.12390.

Butterfield, Bradley J.; Palmquist, Emily C.; AND Sankey, Joel B.

2019 19.6263 Effects of high-flow experiments on riparian vegetation resources in Grand Canyon. *In: High-flow experiments assessment : extended abstracts : March 2019 annual reporting meeting presentations.* [Flagstaff, Arizona]: U.S. Geological Survey, Grand Canyon Monitoring and Research Center, pp. 23-29.

Butters, Frederic K.

1921 19.3448 Taxonomic and geographic studies in North American ferns. III. *Pellaea glabella* and its western segregates. *American Fern Journal*, 11(3) (July/September): 75-82.

► Specimens examined include (pp. 81-82) "*Pellaea Suksdorfiana*: ARIZONA: . . . Jacob Lake, Kaibab National Forest, alt. 8000 ft., *D. F. Korstian and F. S. Baker* (N)."

Bye, Robert

2001 19.2020 Solanaceae; potato family, part one. *Datura* l. [*sic*]. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 58-64.

Byers, Charlee; Maughan, Peter J.; Clouse, Jared; AND Stewart, J. Ryan

2014 19.6148 Microsatellite primers in *Agave utahensis* (Asparagaceae), a keystone species in the Mojave Desert and Colorado Plateau. *Applications in Plant Sciences*, 2(9): 1400047 (3 pp.) (doi:10.3732/apps.1400047).

► Includes the "putative subspecies" *A. utahensis kaibabensis* (McKelvey) Gentry.

C

Callaham, Robert Z.

2013 19.5593 *Pinus ponderosa*: Geographic races and subspecies based on morphological variation. *U.S. Forest Service, Pacific Southwest Research Station, Research Paper PSW-RP-265*, 53 pp.

► "Locations of plots from which data were available" (Table 1) include "Tuweep/Fredonia" and "Mount Trumbull/Grand Canyon".

Campbell, Gloria R.

1952 19.5586 The genus *Myosurus* L. Ranunculaceae) in North America. *El Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 2(4) (August 31): 389-403.

► See: *Myosurus minimus* subsp. *montanus*, new subspecies (pp. 384-385), which includes additional (non-type) study material from Grand Canyon

M. cupulatus S. Wats. (pp. 400-401), which includes type collection from Peach Springs, Arizona; and *M. nitidus* Eastw. (p. 401), which includes study material from "Jumpup Divide, Kaibab Plateau".

Cannon, Carrie Calisay

2015 19.4981 Plants bringing power and life to the people: A decade of the Hualapai Ethnobotany Youth Project. *The Plant Press* (Arizona Native Plant Society), 38(2) (Winter): 11-13.

2016 19.5124 Plants bring power and life to the people: Reflections on Hualapai ethnobotany of the Grand Canyon [ABSTRACT]. *In: 39th Annual Conference, The Society of Ethnobiology, Tucson, Arizona, March 16-19, 2016.* [No place]: Society of Ethnobiology, p. 30.

2023 19.6802 The plants and Indigenous plant knowledge of the Baaj Nwaavjo I'tah Kukveni—Ancestral Footprints of the Grand Canyon National Monument. *Colorado Plateau Advocate*, (Fall/Winter): 28-31.

2024 19.6871 A good harvest; the cultural history of piñon and juniper. *Colorado Plateau Advocate*, (Spring/Summer): 18-25.

2025 19.7007 Young once, Indian forever; passing along tribal plant knowledge to the next generation. *Colorado Plateau Advocate*, (Spring/Summer): cover, 20-25.

Cannon, Carrie, AND Lipton, Jennifer

2013 19.4112 Ethnobotany of the Hualapai Tribe. *In:* Quartaroli, Richard D. (compiler, ed.), *A rendezvous of Grand Canyon historians : ideas, arguments, and first-person accounts : proceedings of the Third Grand Canyon History Symposium, January 2012.* Flagstaff, Arizona: Grand Canyon Historical Society, pp. 9-14.

Cantonati, Marco; Fensham, Roderick J.; Stevens, Lawrence E.; Getecke, Reinhard; Glazier, Douglas S.; Goldscheider, Nico; Knight, Robert L.; Richardson, John S.; Springer, Abraham E.; AND Tockner, Klement

2020 19.6882 Urgent plea for global protection of springs. *Conservation Biology*, 35(1): 378-382.

► See illustrations: Fig. 1c, "Thunder River Springs (Grand Canyon National Park, U.S.A.), a karstic cave gushet spring (photo by J. H. Holway)"; Fig. 1f, "Flaveria mcdougallii, occurs at only a few alkaline springs in central Grand Canyon (U.S.A.) (photo by LS)".

Carlos, Mari

2014 19.4560 How do you water granite? Answer: With a bucket. *Grand Canyon River Runner*, (17) (Summer): 12-13.

► Granite Camp rehabilitation project.

Carothers, Steven W., AND House, Dorothy A.

2020 19.6501 Understanding gains and losses of riparian habitat: Interpreting change, its causes and consequences. *In:* Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M.; Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, pp. 1-17.

Carothers, Steven W., AND Minckley, C. O.

1981 19.418 *A survey of the fishes, aquatic invertebrates and aquatic plants of the Colorado River and selected tributaries from Lee* [sic] *Ferry to Separation Rapids.* Boulder City, Nevada: U.S. Department of the Interior, Water and Power Resources Service, Lower Colorado Region, 401 pp. (Contract No. 7-07-30-X0026.) (Title on cover reads: *A survey of the aquatic flora and fauna of the Grand Canyon. Final report. February 4, 1981.*)

Carothers, Steven W., AND Sharber, N. J.

1977 19.420 *Analysis of effects of wildlife on the biota of a natural riparian community in Grand Canyon National Park. Final report.* Museum of Northern Arizona, Harold S. Colton Research Center, 18 pp.

Carothers, Steven W.; Johnson, R. Roy; AND Kingsley, Kenneth J.

2020 19.6502 A naturalized riparian ecosystem: Consequences of tamarisk leaf beetle (*Diorhabda* spp.) biocontrol. *In:* Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M.; Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, pp. 18-46.

Carpenter, Kevin Joseph

1999 19.3891 *Comparative morphology of disk floret trichomes of* Encelia *(Asteraceae: Heliantheae).* Master's thesis, California Polytechnic State University, 33 pp.

► Collections include (these pages contain collection data only): *Encelia resinifera* C. Clark subsp. *resinifera* from "Coconino Co.: Az Hwy 64, 21.4 km W of jct with US Hwy 89 at Cameron. 14 June 1981" (p. 21)

Encelia resinifera C. Clark subsp. *tenuifolia* C. Clark from "Mohave Co.: Tuweep Valley, at end of road overlooking canyon (Toroweap Pt.) and in the watercourse below. 17 June 1981" (p. 22).

Castetter, Edward Franklin; Bell, Willis Harvey; AND Grove, Alvin R.

1938 19.4544 Ethnobiological studies in the American Southwest. VI. The early utilization and the distribution of agave in the American Southwest. *University of New Mexico, Bulletin*, (335) (Biological Series, 5(4)), 92 pp.

Center for Biological Diversity

2015 19.4834 *Before the Secretary of the Interior: Emergency petition to list the Arizona wetsalts tiger beetle (*Cicindela haemorrhagica arizonae*) and the MacDougal's yellowtops (*Flaveria macdougalii*) as Endangered or Threatened under the Endangered Species Act.* [No place]: Center for Biological Diversity, [4], 20 pp.

► Grand Canyon region. Includes riparian concerns relating to groundwater discharge.

Center for Biological Diversity; Sierra Club, Grand Canyon Chapter; AND Southwest Forest Alliance

2002 19.2367 *Disappearing legacy : destruction of the ponderosa pine ecosystem.* [No place]: Center for Biological Diversity; Grand Canyon Chapter, Sierra Club; and Southwest Forest Alliance, 10 pp.

Chamberland, Michael

1995 19.429 Cactaceae, Part 2; cactus family; *Echinocactus* Link & Otto. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 29(1): 13-14.

1997 19.6554 Systematics of the *Echinocactus polycephalus* complex (Cactaceae). *Systematic Botany*, 22(2) (April/June): 303-313.

Chambers, Jeanne C.; Schupp, Eugene W.; AND Vander Wall, Stephen B.

1999 19.3436 Seed dispersal and seedling establishment of pinon and juniper species within the pinon-juniper woodland. *In:* Monsen, Steven B., and Stevens, Richard, Proceedings; Ecology and management of pinyon-juniper communities within the Interior West; September 15-18, 1997, Brigham Young University, Conference Center, Provo, Utah. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-9*, pp. 29-34.

Chávez Hernández, María Guadalupe, AND Alvarado Cárdenas, Leonardo O.

2020 19.6659 Efemérides [COLUMN]. *Macpalxochitl* (Sociedad Botánica de México), 2020(12) (December): 26-40. [In Spanish.]

► Under "20 de diciembre", see "1870. Nace Rose Eudora Collom (20 diciembre 1870-26 diciembre 1956)" (p. 36). Superficially brief note of Collom, mentioning her Grand Canyon work; with web link to Wikipedia.

Chen, Chang

1999 19.5248 *Genetical and molecular systematic study on the genus* Montagnea *Fr., a desert adapted Gasteromycete.* Master's thesis, Virginia Polytechnic Institute and State University, 74 pp.

► Specimens examined for the study include *Montagnea arenaria* (DC) Zeller, with included material from "Coconino County, Jacob Lake, House Rock Valley, July 26, 1955, Coll. H. E. Ahles. HEA9515 (MICH)" (p. 14). Locality data thus.

Chen, Zhong; Clancy, Karen M.; AND Kolb, Thomas E.

2003 19.2855 Variation in budburst phenology of Douglas-fir related to western spruce budworm (Lepidoptera: Tortricidae) fitness. *Journal of Economic Entomology*, 96(2): 377-387.

Chen, Zhong; Kolb, Thomas E.; Clancy, Karen M.; Hipkins, Valerie D.; AND DeWald, Laura E.

2001 19.2905 Allozyme variation in interior Douglas-fir: association with growth and resistance to western spruce budworm herbivory. *Canadian Journal of Forest Research*, 31(1): 1691-1700.

► Includes trees from near Jacob Lake, Arizona.

Chew, Matthew K.

2009 19.3611 The monstering of tamarisk: How scientists made a plant into a problem. *Journal of the History of Biology*, 42: 231-266.

Chmielewski, Jerry G.

2008 19.6250 Chromosome numbers for southwestern North American species of *Antennaria* (Asteraceae: Gnaphalieae). *Botanical Research Institute of Texas, Journal*, 2(1): 487-488.

► Includes: *Antennaria parvifolia* Nutt., specimens include "Kaibab Plateau, AZ 67, just S of Jacob Lake, *Ch3157*"
A. rosea Greene, "Kaibab Plateau, US 67, S of Jacob Lake, vicinity of Kaibab Lodge, *Ch3160* (red form), *Ch3161* (white form); S of Kaibab Lodge, *Ch3163*".

Chojnacky, David C.

1996 19.5981 Estimating diameter growth for pinyon and juniper trees in Arizona and New Mexico. *U.S Forest Service, Intermountain Research Station, Research Note INT-RN-429*, 6 pp.

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1992 19.437 Primulaceae; primrose family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 17-21.

Cholewa, Anita F., AND Henderson, Douglass M.

1994 19.438 Iridaceae; iris family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 215-218.

Christensen, Baylee

2023 19.6773 Assessing juniper-woodland health in Grand Canyon National Park. *Canyon Views* (Grand Canyon Conservancy), 30(1) (Winter): 24-25.

2023 19.6815 [Interview.] *In:* Polk internships help students find their path, purpose, and passion. *Canyon Views* (Grand Canyon Conservancy), 30(3) (Winter 2023/2024): 13-15.

► Eugene T. Polk Science Fellowship internships at Grand Canyon National Park. Includes interviews with interns Tania Parra Guardado (vegetation on the North Rim) and Baylee Christensen (juniper tree dieback and establishing native pollinator gardens on the North Rim).

Christensen, Kerry M.

1998 19.5522 *Transitional monitoring of riparian vegetation in lower Grand Canyon—1997.* Peach Springs, Arizona: Hualapai Tribe, Department of Natural Resources, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 28 pp.

2001 19.5400 *2001 terrestrial resource monitoring in lower Grand Canyon—wildlife, vegetation and ethnobotany.* Peach Springs, Arizona: Hualapai Department of Natural Resources, *for* Grand Canyon Monitoring and Research Center, Flagstaff, Arizona, 45 pp.

Christie, Kyle; Rink, Glenn; AND Ayers, Tina

2011 19.3859 Additions to the flora of Grand Canyon National Park resulting from National Vegetation Mapping Program fieldwork. *Canotia*, 7: 41-53.

Christy, Charlotte M.

1997 19.439 A new species of *Mentzelia* Section *Bartonia* (Loasaceae) from Arizona. *Novon*, 7(1): 25-26.

1998 19.440 Loasaceae; stickleaf or blazing-star family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 96-111.

2003 19.2391 Lamiaceae mint family, part one; *Agastache* Gronov., *Hyptis* Jacq., *Lamium* L., *Leonurus* L., *Marrubium* L., *Monarda* L., *Monardella* Benth., *Nepeta* L., *Salazaria* Torr., *Stachys* L., *Teucrium* L., and *Trichostema* L. (WITH CONTRIBUTIONS BY Dixie Z. Damrel, April M. Henry, Amy E. Trauth Nare, Raul Puente-Martinez, and Gretchen M. Walters). *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 35(2): 151-169.

Chuang, Tsan Iang, AND Heckard, Lawrence R.

1986 19.5301 Systematics and evolution of *Cordylanthus* (Scrophulariaceae—Pedicularieae) (including the taxonomy of subgenus *Cordylanthus*). *Systematic Botany Monographs*, Volume 10, 105 pp.

▶ *Cordylanthus* Nuttall *ex* Bentham *in* DeCandolle, *nomen conservandum*. See:
Cordylanthus parviflorus (Ferris) Wiggins (pp. 75-77) [type locality Grandview Trail, Canyon], referred specimen localities include "W of Peach Springs", "Seegmullen Mts, near Wolf Hole", and "Fredonia to Kanab" (see also p. 98)
Cordylanthus wrightii kaibabensis, new subspecies (pp. 87-89), type from "7.5 mi E of Jacobs Lake [Jacob Lake]", with referred specimen localities at House Rock Valley and "Kaibab Plateau, near Jacobs Lake" (see also p. 99).

Chvosta, Eduard

2005 19.2989 Studium zimuvzdorných *Cactaceae* v USA. Study of winter-resistant plants *Cactaceae* in the USA. *In:* Sekerka, Pavel (ed.), *Sborník z konference : Introdukce a genetické zdroje rostlin Botanické zahrady v novém tisíciletí. Proceedings of the conference : Introduction and plant genetic resources Botanical gardens in the new millenium. Konaného 5.-9. Září 2005 v České zemědělské universitě v Praze—Suchdole.* [Prague]: Botanická zahrada hl.m. Prahy, Fakulta agrobiologie potravinových a přirodních zdrojů ČZU, Unie botanických zahrad ČR, pp. 128-130. [In Czech, with bilingual titles and abstract.]

▶ Summary report of a field trip through the Southwest. Grand Canyon noted *in passing*.

Clark, Curtis

1998 19.4000 New names and combinations in *Encelia frutescens* sensu lato (Asteraceae: Heliantheae). *Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 17(2): 201-202.

► See p. 202, *Encelia resinifera* subsp. *tenuifolia* C. Clark, new subspecies, collected June 3, 1961, by C. and C. Dailey (material in Museum of Northern Arizona), from "4 miles down Supai Trail, Havasupai Canyon".

Clark, Jamie Rappaport

1998 19.3300 Endangered and Threatened wildlife and plants; Notice of reclassification of four candidate taxa: *Pediocactus paradinei* (Kaibab plains cactus), *Castilleja elongata* (tall paintbrush), *Dalea tentaculoides* (Gentry's indigobush), and *Astragalus oophorus* var. *clokeyanus* (Clokey's eggvetch). *Federal Register*, 63(63) (April 2): 16217-16218.

► Taxa removed from candidate status.

Clark, Theresa Ann

2012 19.3696 *Bryophyte floristics and ecology in Grand Canyon National Park.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Stewardship and Science, 102 pp. + appendices. (Natural Resource Technical Report NPS/SCPN/NRTR-2012/602.)

Cleland, Sophia; Hocutt, Gregory D.; Breitmeyer, Christopher M.; Markow, Therese A.; AND Pfeiler, Edward

1996 19.446 Alcohol dehydrogenase polymorphism in barrel cactus populations of *Drosophila mojavensis.* *Genetica*, 98(1) (July): 115-117.

► Entomology; host plant barrel cactus, *Ferocactus acanthodes*. Populations studied from Agua Caliente, California, and the Grand Canyon, Arizona.

Clements, Terri

2017 19.5575 An Arizona morel story. *The Mycophile* (North American Mycological Association), 57(2) (March/April): 16-17.

► Molecular sequencing of specimens from the Locust Fire burn area and unburned areas, North Rim, Grand Canyon.

Cleveland, Danielle; Hinck, Jo Ellen; AND Lankton, Julia S.

2019 19.5983 Assessment of chronic low-dose elemental and radiological exposures of biota at the Kanab North uranium mine site in the Grand Canyon watershed. *Integrated Environmental Assessment and Management*, 15(1) (January): 112-125 + Supporting Information online, https://seta.onlinelibrary.wiley.com/doi/abs/10.1002/ieam.4095, 21 pp.

2021 19.6559 Elemental and radionuclide exposures and uptakes by small rodents, invertebrates, and vegetation at active and post-production uranium mines in the Grand Canyon watershed. *Chemosphere*, 263 (January): (127908) (https://doi.org/10.1016/j.chemosphere.2020.127908) + research data online (Chemical analyses and histopathology of organisms and plants collected from breccia

pipe uranium mine sites in the Grand Canyon watershed, 2015-2020, U.S. Geological Survey data release (https://doi.org/10.5066/P94OVQO9 [also as https://www.sciencebase.gov/catalog/item/5f40097182ce8df5b6cb4221]).

Clover, Elzada U.

1942 19.2090 A new species and variety of *Sclerocactus* from Arizona. *American Journal of Botany*, 29(2) (February): 172-173. [Data partly in botanical Latin, by convention.]

► *Sclerocactus havasupaiensis*, new species; "The type specimen . . . was collected by William Belknap, Jr., April 26, 1941, on top of the Supai Formation in Havasupai Canyon [Havasu Canyon], Arizona . . . . Specimens not in flower were previously collected by the author in July, 1940, in Havasupai Canyon (Clover 5229) near Navajo Falls, and in Hualapai Canyon (Clover 5100) on talus of the Supai Formation. A few plants were seen on the floor of Cataract Canyon above Supai, September, 1941."

S. havasupaiensis var. *roseus*, new variety; "Specimen typicum legit E. Clover & Wm. Belknap, Jr. (Clover 6403), in Havasupai Canyon, Arizona, siccatum est in Herbario, Universitatis Michiganensis. [. . .] This variety was found in association with *S. havasupaiensis* on top of the Supai Formation in Havasupai Canyon, Arizona, April 26, 1941. Young seedlings were growing at the base of the plants. Additional plants were collected by C. F. Shaffer, Jr., in the same location in May, 1941, and are in the living collection (no. 18079) in the Botanical Gardens, University of Michigan."

Clover, Elzada U., AND Jotter, Lois

1941 19.447 Cacti of the canyon of the Colorado and tributaries. *Torrey Botanical Club, Bulletin*, 68: 406-419.

1944 19.448 Floristic studies in the canyon of the Colorado and its tributaries. *American Midland Naturalist*, 32: 591-642.

Cockerell, T. D. A. [Cockerell, Theodore Dru Alison]

1902 19.3605 Notes on southwestern plants. *Torreya*, 2(3) (March): 42-43.

► See p. 42, *Peritoma serrulatum albiflorum*; ". . . for many miles westward of Peach Springs, Arizona, along the railroad, it constitutes a local race, to the exclusion of the type."

Coffman, John D.

1954 19.5733 *Forests and trees of the National Park Service.* Washington, D.C.: U.S. National Park Service, 29 pp.

Cole, David N.

1989 19.2704 Area of vegetation loss: a new index of campsite impact. *U.S. Forest Service, Intermountain Research Station, Research Note INT-389*.

1990 19.460 Trampling disturbance and recovery of cryptogamic soil crusts in Grand Canyon National Park. *Great Basin Naturalist*, 50: 321-325.

Cole, Kenneth L., AND Cannella, John A.

2005 19.4775 Species-based vegetation mapping: An example from the Grand Canyon. *In:* Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)

2015 19.4776 Species-based vegetation mapping: An example from the Grand Canyon [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 94.

Cole, Kenneth L.; Ironside, Kirsten E.; Arundel, Samantha T.; Duffy, Philip; AND Shaw, John

2008 19.3001 Modeling future plant distributions on the Colorado Plateau: An example using *Pinus edulis*. *In:* van Riper, C., III, and Sogge, M. K. (eds.), *The Colorado Plateau III : integrating research and resources management for effective conservation.* Tucson: University of Arizona Press, pp. 319-330.

2015 19.4788 Modeling future plant distributions on the Colorado Plateau: An example using *Pinus edulis* [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 135-136.

Coles, Janet; Wight, Aneth; Von Loh, Jim; Schulz, Keith; AND Evenden, Angie

2008 19.3884 Vegetation Classification and Mapping Project report, Pipe Spring National Monument. *U.S. National Park Service, Natural Resource Report NPS/NCPN/NRTR-2008/122*, 181 pp.

Conklin, David A.

2000 19.4508 *Dwarf mistletoe management and forest health in the Southwest.* [No place]: U.S. Forest Service, Southwestern Region, [30] pp.

▶ Grand Canyon, *passim*.

Cooper, Charles F.

1960 19.473 Changes in vegetation, structure, and growth of southwestern pine forests since white settlement. *Ecological Monographs*, 30(2) (April): 129-164.

Cooperrider, C. K.

1936 19.2039 Forests. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 53-60.

Copeland, Stella M.; Bradford, John B.; Duniway, Michael C.; AND Butterfield, Bradley J.

2018 19.5957 Life history characteristics may be as important as climate projections for defining range shifts: An example for common tree species in the intermountain western US. *Diversity and Distributions*, doi:10.1111/ddi.12813 + Supporting Information online.

Corbett, Terry L.

1998 19.4432 The *Echinocereus* index. *In:* Di Martino, Lino (ed.), *Echinocereus* Speciale/Special Issue. *Cactus & Co.* (Rassegna di Coltivazione, Collezionismo e Botanica) (Associazione Internazionale/International Society, Bavino, Italy), 2(3) (July) (Supplement): 23-92. [In English.]

► See Figure 73 (p. 45), *E. engelmannii* var. *variegatus*, with legend (p. 100), "*E. engelmannii* var. *variegatus*: cult. pl. from type loc., Marble Canyon, Az USA (Photo: B. R. Beaston); and Figure 74 (p. 45), same, with legend (p. 100), "*E. engelmannii* var. *variegatus*: cult. pl. from near Page, Az USA (Photo: M. & A. Ohr)." ["Cult. pl. = pianta in coltivazione; type loc. = località tipo; field collected"; "Cult. pl. = cultivated plant; type loc. = type locality" (p. 99).]

Correll, Donovan S., AND Correll, Helen B.

1972 19.476 Aquatic and wetland plants of southwestern United States. *U.S. Environmental Protection Agency, Research and Monitoring, Water Pollution Control Research Series report 16030 DNL 01/72*, 1777 pp.

Coulter, John M.

1896 19.5151 Preliminary revision of the North American species of Echinocactus, Cereus, and Optunia. *U.S. National Herbarium, Contributions*, 3(7): 355-462, I-IV [index].

► See p. 358, *Echinocactus polycephalus xeranthemoides*, new variety. "Type, Siler of 1881 and 1883 in Herb. Mo. Bot. Gard." [Herbarium of the Missouri Botanical Garden]. "Specimens examined: Utah (*Siler* of 1883, 'Kanab Mts.'): ARIZONA (*Siler* of 1881, near the Colorado 'on the Kanab wash;' *Rusby* 619, of 1883, at Peach Springs; *Evans* of 1891, between Gila Bend and Yuma)."

Coulter, John M., AND Rose, J. N.

1900 19.5560 Monograph of the North American Umbelliferae. *U.S. National Herbarium, Contributions*, 7(1): 9-256, i-vii.

► See: *Phellopterus multinervatus*, new species (pp. 169-170), type from "Peach Springs, northern Arizona; collected by *Mr. and Mrs. J. G. Lemmon*, May, 1884 (distributed as *Cymopterus montanus*)", and specimens examined including from "Utah . . . Uinkaret Mountains, *Mrs. Thompson*, in 1872".

Lomatium nevadense (Watson) C. & R. (pp. 220-221, figure 60 [p. 204]), with specimens examined including from Arizona, "Peach Springs, Mohave County, *Lemmon* 125, May, 1884".

Count, E. W. [Count, Earl W.]

1929 19.478 Manzanita on the South Rim. *Grand Canyon Nature Notes*, 3(10) (June 30): 2.

1929 19.479 Soil of the South Rim—a query. *Grand Canyon Nature Notes*, 3(10) (June 30): 6.

► With respect to supporting successive plant growth.

1929 19.484 A mutating pentstemon. *Grand Canyon Nature Notes*, 4(1) (September 30): 6.

► *Pentstemon linarioides* along Yaki Point Road exhibiting simultaneously five-, six-, and seven-petaled flowers.

1930 19.486 Pinyon puzzle. *Grand Canyon Nature Notes*, 4(5) (March): 33.

► Arrangement of cones on pines, observed between Grand Canyon village and Yavapai Point.

1930 19.5381 Agave utahensis [and] flower and pod of Agave utahensis. *Grand Canyon Nature Notes*, 4(7) (May 31): cover.

► As part of a hand-drawn canyon scenic view. Signed "E.W.C."

1930 19.488 A living conquest. *Grand Canyon Nature Notes*, 4(9) (July 31): cover, 57-58.

► Lichens.

1931 19.493 Trees gripping the hillside. *Grand Canyon Nature Notes*, 5(10) (August): 106.

1931 19.495 Russian thistle. *Grand Canyon Nature Notes*, 6(2) (December): 18.

1994 19.498 A living conquest. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 54.

► Reprinted from *Grand Canyon Nature Notes*, July, 1930. Lichens.

Counts, Austin; Phillips, Andrew; Young, Sydney; Stevens, Christine; AND VanGundy, Robert D.

2017 19.5339 Riparian land cover change in the lower Grand Canyon, 1998 to 2016 [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 49(3): doi:10.1130/abs/2017SE-289847.

Coville, Frederick Vernon

1893 19.3657 Botany of the Death Valley Expedition. A report on the botany of the expedition sent out in 1891 by the U.S. Department of Agriculture to make a biological survey of the region of Death Valley, California. *U.S. National Museum, Contributions*, Volume IV.

► See: *Dalea johnsoni* Wats., locales include "wash of the Diamond River, northwestern Arizona, near its junction with the Grand Cañon of the Colorado (Lemmon, 1884)" (p. 85)

Cercis occidentalis Gray, locales include "Grand Cañon of the Colorado, at a point nearly north of San Francisco Mountain." (p. 89)

1894 19.505 New or little-known plants. Ostrya Knowltoni, a new species of hop hornbeam. *Garden and Forest*, 7(317) (March 21): 114-116.

► From head of what is now known as Old Hance Trail.

Coville, Frederick Vernon, AND MacDougal, Daniel Trembly

1903 19.506 Desert Botanical Laboratory of the Carnegie Institution. *Carnegie Institution of Washington, Publication 6*, 58 pp., 29 plates.

► Grand Canyon, see p. 23, Plates 27, 28.

Covington, W. Wallace, AND Moore, Margaret M.

1994 19.5682 Postsettlement changes in natural fire regimes and forest structure: Ecological restoration of old-growth ponderosa pine forests. *Journal of Sustainable Forestry*, 2(1/2): 153-181.

► Co-published simultaneously in *Assessing Forest Ecosystem Health in the Inland West* (see Covington and Moore, 1994, ITEM NO. 19.5683).

1994 19.5683 Postsettlement changes in natural fire regimes and forest structure: Ecological restoration of old-growth ponderosa pine forests. *In:* Sampson, R. Neil, and Adams, David L. (eds.), *Assessing forest ecosystem health in the Inland West.* New York, London, and Norwood (Australia): Food Products Press (The Haworth Press, Inc.), pp. 153-181.

► Co-published simultaneously in *Journal of Sustainable Forestry* (see Covington and Moore, 1994, ITEM NO. 19.5682).

Covington, W. Wallace; Fulé, Peter Z.; Moore, Margaret M.; Hart, S. C.; Kolb, T. E.; Mast, J. N.; Sackett, S. S.; AND Wagner, M. R.

1997 19.3428 Restoring ecosystem health in ponderosa pine forests of the Southwest. *Journal of Forestry*, 95(4): 23-29.

Cowan, Connie

2012 19.5022 PAPAZ Project areas. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 4-6.

► Plant Atlas Project of Arizona. See "Upper Basin. Coordinating Botanist: Kirstin Olmon" (p. 5).

Craig, Darryl

2011 19.3581 Arizona habitat. Part 3; Grand Canyon West, AZ—Spring, 2011. *The Hooked Spine* (Corona Cactus Nursery LLC, Newsletter, California), 2(2) (Summer): 3, 4, 5.

2012 19.5337 *Opuntia basilaris*; beavertail prickly pear cactus, Grand Canyon beavertail, little beavertail/short-joint beavertail, Kern cactus, Heil's beavertail. *The Hooked Spine* (Corona Cactus Nursery LLC, Newsletter, California), 3(2) (August) (Special Opuntia basilaris Edition): [entire issue].

Craighead, John J.; Craighead, Frank C., Jr.; AND David, Ray J.

1963 19.508 *A field guide to Rocky Mountain wildflowers from northern Arizona and New Mexico to British Columbia.* Boston: Houghton Mifflin Co., 277 pp.

Cramer, Gary Clark

1995 19.3817 *Analysis of the implementation of noxious weed policy on Bureau of Land Management and Forest Service lands in Arizona.* Doctoral dissertation, University of Arizona, 100 pp.

Crawford, Julie

2008 19.4598 Five years of vegetation change following high-severity fire and fire-fighting activities in Grand Canyon National Park. *In:* Riper, Charles van, III, and Sogge, Mark K. (eds.), *The Colorado Plateau III : integrating research and resources management for effective conservation.* Tucson: University of Arizona Press, pp. 271-286.

2015 19.4787 Five years of vegetation change following high-severity fire and fire-fighting activities in Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 133-134.

Crawford, Julie, AND Juarez-Cummings, Niki

2005 19.2587 Five years of vegetation change following high-severity fire and fire-fighting activities in Grand Canyon National Park [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 39.

Crayton, Wayne M., AND Sommerfeld, Milton R.

1978 19.510 Phytoplankton of the lower Colorado River, Grand Canyon region. *Arizona-Nevada Academy of Science, Journal*, 13(1): 19-24.

1979 19.511 Composition and abundance of phytoplankton in tributaries of the lower Colorado River, Grand Canyon region. *Hydrobiologia*, 66(1) (September): 81-93.

Crittenden, Mabel, AND Telfer, Dorothy

1975 19.512 *Wildflowers of the West.* Millbrae, California: Celestial Arts, 199 pp.

Crocker-Bedford, D. Coleman; Vankat, John L.; Bertolette, Don R.; Leatherbury, Paul; McKinnon, Taylor; AND Sipe, Carmen L.

2005 19.4771 Apparent increases in mixed conifer characteristics since 1935 in ponderosa pine-mixed conifer transition forests of Grand Canyon National Park. *In:* Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)

2005 19.4773 Apparent reductions in large-diameter trees since 1935 in ponderosa pine forests of Grand Canyon National Park. *In:* Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)

2015 19.4772 Apparent increases in mixed conifer characteristics since 1935 in ponderosa pine-mixed conifer transition forests of Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 92-93.

2015 19.4774 Apparent reductions in large-diameter trees since 1935 in ponderosa pine forests of Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 93-94.

Croft, A. Russell

1932 19.515 The 1933 "pine nut" crop. *Grand Canyon Nature Notes*, 7(6) (September): 58-60.

1932 19.516 Notes on the Yaki Point burn. *Grand Canyon Nature Notes*, 7(7) (October): 71-73.

1933 19.519 The "Burro Spring" pine. *Grand Canyon Nature Notes*, 7(11) (February): 113.

▶ Large pinyon pine. Includes sketch drawing.

1933 19.520 Notes on pinyon-juniper reforestation. *Grand Canyon Nature Notes*, 8(3) (June): 151-154.

1994 19.521 The 1933 "pine nut" crop. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 69.

▶ Reprinted from *Grand Canyon Nature Notes*, September, 1932.

Crosswhite, Frank S.

1967 19.5298 Revision of *Penstemon* Section *Habroanthus* (Scrophulariaceae). III. Series *Virgati*. *American Midland Naturalist*, 77(1) (January): 28-41.

▶ See *Penstemon virgatus pseudoptutus*, new subspecies (pp. 35-37), type from DeMotte Park, Kaibab Plateau; specimens examined from Bright Angel Point and localities on Kaibab Plateau.

1979 19.5555 "J. G. Lemmon & Wife," plant explorers in Arizona, California, and Nevada. *Desert Plants*, 1(1) (August): 12-21.

Crumbo, Kim

1994 19.4810 Site restoration and revegetation. *The News* (Grand Canyon River Guides), 7(1) (Winter 1993/1994): 8.

1997 19.526 Palm trees. *Boatman's Quarterly Review*, 10(2) (Spring): 8.

Cullison, Tim

2010 19.4669 A visit to a small cactus. *Central Spine* (Central Arizona Cactus and Succulent Society), (May): 8.

► *Peridocactus bradyi* at site overlooking the Colorado River in Marble Canyon south of Lees Ferry Lodge. Not illustrated.

2010 19.4430 A visit to a small cactus. (Photos by Paula Cullison.) *Roots and Shoots* (University of Arizona, College of Agriculture and Life Sciences, Arizona Cooperative Extension, Maricopa County), (August): 4.

► *Peridocactus bradyi* at site overlooking the Colorado River in Marble Canyon south of Lees Ferry Lodge.

2012 19.5935 A visit to a small cactus. (Photo by Daniela Roth.) *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (Summer): 12.

► *Peridocactus bradyi* at site overlooking the Colorado River in Marble Canyon south of Lees Ferry Lodge.

Cynta

1992 19.531 Cryptogamic soil: Unappreciated, misunderstood, and downtrodden. *The News* (Grand Canyon River Guides), 5(2) (Spring): 14-15.

Czarnecki, David Bruce

1978 19.532 *Diatoms of northern Arizona—their distribution, ecology and taxonomy—including notes on successional patterns in Montezuma Well and morphological variation in* Navicula cuspidata *(Kütz.) Kütz.* Doctoral dissertation, Northern Arizona University, 143 pp.

Czarnecki, David B., AND Blinn, Dean W.

1978 19.533 Diatoms of the Colorado River in Grand Canyon National Park and vicinity. (Diatoms of the southwestern USA II.) *Bibliotheca Phycologica*, 38: 1-181.

Czarnecki, David B.; Blinn, Dean W.; AND Tompkins, Terrill

1976 19.534 *A periphytic microflora analysis of the Colorado River and major tributaries in Grand Canyon National Park and vicinity.* Flagstaff, Arizona: Northern Arizona University, *Colorado River Research Program, Technical Report 6*, (Grand Canyon National Park, Colorado River Research Series Contribution no. 35), 106 pp. (Contract no. CX821060008.) (Colorado River Research Program Final Report.) (National Technical Information Service PB 267761/AS.) [Cover sheet omits "National Park" from title.]

D

Dahl, Steve

2012 19.4624 Purple torch cactus (*Echinocereus engelmannii*) at Toroweap Rim in Grand Canyon National Park, observed on a Manzanita Chapter field trip in April 2012. *Sego Lily* (Utah Native Plant Society), 35(4) (July): 2.

▶ Color photograph and legend only.

Dahlquist, Gail Henson

1994 19.6169 *Endolithic algae and the Coconino Sandstone habitat.* Master's thesis, Arizona State University, 45 pp.

Dahms, J.

2022 19.6825 Using remote sensing for juniper management on the Kaibab National Forest [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 36.

▶ Within the scope of this bibliography, includes Tusayan Ranger District.

Dancis, Dale

1984 19.535 (*ASSISTED BY* Betty Byars, Patrick Hasenbuhler, Frank Lojko, Robert Minicucci, Shirley Pauls, and Loreli Wood) Report on vegetation damage along the Colorado River. *In:* Beus, Stanley S., and Carothers, Steven W. (eds.), *Colorado River Investigations II : July/August 1983.* Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 106-125.

Daniel, T. W.; Rivers, R. J.; Isaacson, H. E.; Eberhard, E. J.; AND LeBaron, A. D.

1966 19.6041 *Management alternatives for pinyon-juniper woodlands. A. Ecological phase: "The ecology of the pinyon-juniper type of the Colorado Plateau and the Basin and Range Provinces".* Logan, Utah: U.S. Bureau of Land Management, 242 pp. [Cover title: *Management alternatives for pinyon-juniper woodlands. Part A. Ecology of the pinyon-juniper type of the Colorado Plateau and the Basin and Range Provinces*.]

Daniels, M. L.; Springer, J. D.; McGlone, C. M.; AND Wilkerson, A.

2008 19.2711 Seeding as part of forest restoration promotes native species establishment in Grand Canyon-Parashant National Monument (Arizona). *Ecological Restoration*, 26(3): 188-189.

Darling, Marilyn Stagner

1966 19.538 *Structure and productivity of a pinyon-juniper woodland in northern Arizona.* Doctoral dissertation, Duke University, Durham, North Carolina, 170 pp.

► South Rim.

Darrow, Robert A.

1948 19.5217 Notes on the Arizona flora. *Leaflets of Western Botany*, 5(6) (May): 93-100.

► See: *Sporobolus texanus* Vasey, from Bright Angel Trail (p. 94)
Buchloe dactyloides (Nutt.) Engelm., "on the road from Ashfork n. to Hilltop" (p. 95)
Eriogonum pulvinatum Small, a range extension "by a collection 2 mi. s. of Fredonia" (p. 96)
Shepherdia argentea (Pursh) Nutt., from "Two Mile Spring, House Rock Valley" (p. 97)
Solidago ciliosa Greene, from "near checking station, Grand Canyon National Park, Kaibab Plateau" (p. 98)
Artemisia pygmaea A. Gray, from "2 mi. s. of Fredonia" (p. 99).

Date, Priya; Dweck, Hany K. M.; Stensmyr, Marcus C.; Shann, Jodi; Hansson, Bill S.; AND Rollmann, Stephanie M.

2013 19.4345 Divergency in olfactory host plant preference in *D. mojavensis* in response to cactus host use. *PLos One*, 8(7): e70027, doi:10.1371/journal.pone.0070027, 10 pp.

► Under "Materials and Methods", see note, p. 8, *Drosophila* stocks include "the Mojave population [Grand Canyon, Arizona (stock number 15081-1352.10) . . .]" (square brackets are part of quotation; ellipsis added here).

Daubenmire, Rexford F.

1938 19.3574 Merriam's life zones of North America. *Quarterly Review of Biology*, 13(3) (September): 327-332.

1975 19.539 An ecological life-history of *Lewisia rediviva* (Portulaceae). *Syesis*, 8: 9-23.

► See pp. 11, 12.

Dauwalder, Tim, AND Mayer, Jean

1992 19.540 The relationship between soil texture and plant survivability of *Pluchea servicea*, *Diccoria brandegei* and *Salix exgua.* *In:* *Colorado River Investigations XI : July/August, 1992* (supervised by Stanley S. Beus, James N. David, Frank B. Lojko, and Lawrence E. Stevens). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 90-101.

Davis, Callie

2011 19.5090 The Marble Canyon cactus—Pediocactus bradyi. *Cactus and Succulent Society of Southern Nevada, Newsletter* (Las Vegas), (May): [unpaginated].

Davis, Philip A.

2002 19.2342 Evaluation of airborne thermal-infrared image data for monitoring aquatic habitats and cultural resources within the Grand Canyon. *U.S. Geological Survey, Open-File Report 02-367*, 49 pp.

Davis, Philip A.; Staid, Matthew I.; Plescia, Jeffrey B.; AND Johnson, Jeffrey R.

2002 19.2354 Evaluation of airborne image data for mapping riparian vegetation within the Grand Canyon. *U.S. Geological Survey, Open-File Report 02-470*, 65 pp.

Day, Alva

1965 19.5482 The evolution of a pair of sibling allotetraploid species of cobwebby gilias (Polemoniaceae). *Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 6(1) (March 22): 25-75.

▶ Species of *Gilia*. Includes Grand Canyon region and upper portion of lower Colorado River region.

Deaver, Chester F., AND Haskell, Horace S.

1955 19.547 Ferns and flowering plants of Havasu Canyon. *Plateau*, 28(1): 11-30.

Debreczy, Zsolt

1976 19.5140 *Télálló kaktuszok, agávék és pálmaliliomok.* Budapest: Mezőgazdasági Kiadó, 279 pp. + advertisement. [In Hungarian.]

▶ Title translates as "Winter-resistant cacti, agave, and palm lily." See "El Paso—Grand Canyon" (pp. 34-54); "A Mojave-sivatag felé" (pp. 54-59); color plates 1, 2 (following p. 72). Other references to Grand Canyon, pp. 8, 21, 104, 167, 190, 195, 208, 209, 232.

Décamps, Henri; AND Tabacchi, Eric

1994 19.548 Species richness in vegetation along river margins. *In:* Giller, Paul S., Hildrew, Alan G., and Raffaelli, David G. (eds.), *Aquatic ecology : scale, pattern and process : the 34th Symposium of the British Ecological Society with the American Society of Limnology and Oceanography, University College, Cork, 1992.* Oxford: Blackwell Scientific Publications, pp. 1-20.

▶ See p. 16.

DeCoster, James K.

2019 19.6277 Impacts of fire to the herbaceous/shrub layer of the mixed conifer and spruce-fir forests of Grand Canyon National Park [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 32.

DeCoster, James K., AND Swan, Megan C.

2011 19.3470 *Integrated upland vegetation and soils monitoring for Grand Canyon National Park : 2007 and 2008 summary report, revised January 2011.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 19 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2011/159*.)

2011 19.3471 *Integrated upland vegetation and soils monitoring for Grand Canyon National Park : 2009 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 13 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2011/171*.)

2013 19.5594 *Integrated upland vegetation and soils monitoring for Grand Canyon National Park : 2010 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 33 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2013/512*.)

2013 19.5595 *Integrated upland vegetation and soils monitoring for Grand Canyon National Park : 2011 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 36 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2013/518*.)

2014 19.5596 *Integrated upland vegetation and soils monitoring for Grand Canyon National Park : 2012 summary report.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, 23 pp. (*U.S. National Park Service, Southern Colorado Plateau Network, Natural Resource Data Series, 2014/695*.)

DeMillion, Marcy A., AND Covington, W. Wallace

2000 19.3528 Mount Logan Wilderness: a southwestern pine ecological restoration study. *Resource Notes* (U.S. Bureau of Reclamation, National Applied Resource Sciences Center), (13) (May 18), 2 pp.

DeMillion, Marcy A., AND Lee, Martha E.

2001 19.3431 Ecological wilderness restoration: Attitudes toward restoring the Mount Logan Wilderness. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 130-133.

Dempster, Lauramay T., AND Ehrendorfer, Friedrich

1965 19.5592 Evolution of the *Galium multiflorum* complex in western North America. II. Critical taxonomic revision. *Brittonia*, 17 (October): 289-334.

► See *Galium munzii* Hilend & Howell subsp. *ambivalens*, new subspecies (pp. 309-310), "Type from 'about Grand Canyon of the Colorado,' *MacDougal 157* (UC 138660. Isotypes, ARIZ, F, GH, NY, US)"; distribution notes "Grand Canyon of the Colorado River, and eastward on the Little Colorado River."

Denney, Derek Arlen

2018 19.7003 *Phylogeography of* Mentzelia cronquistii*: Landscape complexity and glacial refugia.* Master's thesis, Washington State University, 49 pp.

► DNA studies. Sampling sites include "Bright Angel Canyon", "Phantom Ranch", "Tonto Platform", "Deer Springs", "East Grand Canyon" (unitemized herbarium specimens from eastern Grand Canyon), and "West Grand Canyon" (unitemized herbarium specimens from western Grand Canyon). Voucher specimens in Marion Ownbey Herbarium (WS).

Dennison, Philip E.; Coates, Austin; Hultine, Kevin; Nagler, Pamela; AND Glenn, Ed

2011 19.3903 Remote monitoring of tamarisk defoliation by the saltcedar leaf beetle [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*.

Deuser, Curtis E.

2011 19.4957 The Colorado River: A narrow ribbon of green—some are weeds and the beetles are coming! [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 120.

Devitt, Dale A.; Sala, Anna; Smith, Stanley D.; Cleverly, James R.; Shaulis, L. K.; AND Hammett, R.

1998 19.552 Bowen ratio estimates of evapotranspiration for *Tamarix ramosissima* stands on the Virgin River in southern Utah. *Water Resources Research*, 34(9): 2407-2414.

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deVos, James C., Jr. [deVos, Jim]

2010 19.3848 *Kaibab west-side pinyon-juniper removal for browse release : final report.* Phoenix: Arizona Sportsmen for Wildlife Conservation, *for* National Forest Foundation, Missoula, Montana, 6 pp.

Diagre, Denis

2018 19.5934 To Belen for Toumeya's sake; Denis Diagre continues his story of looking for cacti in the USA and shows us how to involve the whole family in the adventure. *The Cactus Explorer* (The Cactus Explorers Club, Ketton, Stamford, United Kingdom), (21) (March): 32-50.

► This installment of the series includes the Arizona Strip (Toroweap to House Rock Valley); see "The Northern Arizona Treasure Trove", pp. 40-45.

Diaz, Vincent; Cannon, Carrie; AND Hodgson, Wendy

2023 19.6792 Indigenous gardens; cultivating agave in the Grand Canyon. *Colorado Plateau Advocate*, (Spring/Summer): 4-9.

Dicht, Reto F., AND Lüthy, Adrian D.

2003 19.4935 *Coryphantha : Kakteen aus Nordamerika.* Stuttgart: Eugen Ulmer, 143 pp., plates. [In German.]

2005 19.4936 *Coryphantha : cacti of Mexico and southern USA.* Berlin and New York: Springer, 200 pp.

► Translation of Dicht and Lüthy (2003, ITEM NO. 19.4935).

Dieter, Dale Adam

1990 19.3664 *A comparison of ponderosa pine stand density measures for predicting understory production on the Kaibab Plateau.* Master's thesis, Northern Arizona University, 84 pp.

Diggins, Corinee; Fulé, Peter Z.; Covington, W. Wallace; AND Kaye, Jason

2009 19.5979 *Modeling forest change and management alternatives on a restored landscape: Future climate affects management strategies for maintaining forest restoration treatments : final report to the Joint fire Sciences Program, Project ID Number 06-3-3-05.* Flagstaff, Arizona: Northern Arizona University, School of Forestry and Ecological Restoration Institute, 37 pp.

► Mt. Trumbull ecosystem restoration project between Mt. Logan Wilderness and Mt. Trumbull Wilderness, Uinkaret Mountains, Grand Canyon-Parashant National Monument.

Diggins, Corinne; Fulé, Pete [Fulé, Peter Z.]**; AND Kaye, Jason**

2011 19.5008 Striving for long-term forest sustainability—even as the climate changes. *Fire Science Brief* (U.S. Joint Fire Science Program), (137) (July), 6 pp.

► Focuses on Mount Trumbull restoration site between Mt. Logan Wilderness and Mt. Trumbull Wilderness, Uinkaret Mountains, Grand Canyon-Parashant National Monument.

Dillon, Gregory K.; Holden, Zachary A.; Morgan, Penelope; Crimmins, Michael A.; Heyerdahl, Emily K.; AND Luce, Charles H.

2011 19.5269 Both topography and climate affected forest and woodland burn severity in two regions of the western US, 1984 to 2006. *Ecosphere*, 2(12): Article 130, 33 pp.

► Study sites include Kaibab Plateau.

Dodge, Natt N.

1936 19.560 Trees of Grand Canyon National Park. *Grand Canyon Natural History Association, Bulletin 3*, 69 pp.

Doebley, J. F.; Goodman, M. M.; AND Stuber, C. W.

1983 19.3625 Isozyme variation in maize from the southwestern United States: Taxonomic and anthropological implications. *Maydica*, 28: 97-120.

► Relates to this bibliography by including Mojave, Walapai (Hualapai), and Havasupai.

Dohm, Paul W.; Weber, Jake R.; Gianniny, Gary L.; AND Tobin, Benjamin W.

2017 19.5839 Matrix porosity and desert seep communities in the R-aquifer; insights from the sequence stratigraphy and diagenesis of the Redwall Limestone, Grand Canyon, Arizona [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 47-48.

Donovan, Geoffrey H., AND Brown, Thomas C.

2007 19.5338 Be careful what you wish for: the legacy of Smokey Bear. *Frontiers in Ecology and Environment*, 5(2): 73-79.

► See photo, p. 78, "Tree mortality on the North Rim of the Grand Canyon in the wake of the Warm Fire, July 2006." No separate text mention.

Douglas, Norman A., AND Manos, Paul S.

2007 19.3433 Molecular phylogeography of Nyctaginaceae: Taxonomy, biogeography, and characters associated with a radiation of xerophytic genera in North America. *American Journal of Botany*, 94(5): 856-872.

Draut, Amy E.

2011 19.3553 Vegetation and substrate properties of aeolian dune fields in the Colorado River corridor, Grand Canyon, Arizona. *U.S. Geological Survey, Open-File Report 2011-1195*, 16 pp., 28 tables.

Drouet, Francis

1968 19.3333 Revision of the classification of the Oscillatoriaceae. *Academy of Natural Sciences of Philadelphia, Monograph 15*, 370 pp.

► The only Grand Canyon locales mentioned in this work are from collections made at or near Supai; some descriptions with distribution notes are very long. See:

Porphyrosiphon splendidus (Greville) Drouet, new combination, p. 166 *ff* (see p. 171)

Microcoleus vaginatus (Vaucher) Gomont, p. 226 *ff* (see p. 255)

Microcoleus lyngbyaceus (Kützing) Crouan, p. 262 *ff* (see p. 301).

Duck, Tim

2007 19.6158 (PROJECT LEAD) *Paria/Buckskin tamarisk and Russian olive eradication.* St. George, Utah: U.S. Bureau of Land Management, Vermilion Cliffs National Monument/Arizona Strip District; and Kanab, Utah: U.S. Bureau of Land Management, Kanab Resource Area/Cedar City District, 45+ pp., map. (Environmental Assessment AZ-120-2007-0021.)

Duft, Joseph J., AND Moseley, Robert K.

1989 19.575 *Alpine wildflowers of the Rocky Mountains.* Missoula, Montana: Mountain Press Publishing Co., 200 pp.

Dugan, Alexa

2012 19.6532 Age structure variation and dynamics in ponderosa pine forests across Grand Canyon National Park's South Rim [ABSTRACT]. *In: Southwest Fire Science Consortium : Southwest Fire Ecology Conference : "Fire Landscapes, Wildlife and People" : Santa Fe, New Mexico, Feburary 27-March 1, 2012*, pp. 36-37.

Duggan, Chris

2017 19.5577 Queen of the wildflowers; alumna Rose Collom was Grand Canyon's first paid botanist. *Connection* (Lindenwood University, St. Charles, Missouri, *for* Office of Alumni Relations), (Summer): 14.

Duncan, P. D.

1970 19.576 Trees on the rim. *American Forests*, 76 (July): 12-15.

► Photographs.

Durning, Laura E.; Sankey, Joel B.; Bedford, Ashton; AND Sankey, Temuulen T.

2017 19.5840 Riparian species classification map derived from May 2013 high resolution multi-spectral imagery within Grand Canyon, Arizona [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 50.

Durning, Laura E.; Sankey, Joel B.; Chain, G. R.; AND Sankey, Temuulen T.

2017 19.6507 Riparian vegetation classification of the Colorado River corridor, Grand Canyon, Arizona, 2013—data. *U.S. Geological Survey data release*, https://doi.org/10.5066/F7K64GJF [also through https://www.sciencebase.gov/catalog/item/59821e2fe4b0e2f5d463babc].

► Complements "Water classification" data release, Durning *et al.* (2017, ITEM NO. 22.1238).

Dyer, Christine

2022 19.6724 Female leaders in botanical discovery: Past and present. *Boatman's Quarterly Review*, 35(3) (Fall): 10-13.

► *NOTE*: The photo on p. 10, "Elzada Clover and Lois Jotter Cutter sit next to each other looking at a book" actually depicts a mirror. Also, at that time Lois Jotter was not yet married.

E

Eastwood, Alice

1902 19.3573 New western plants. *Torrey Botanical Club, Bulletin*, 29(8) (August): 523-525.

► Under "New Species from Colorado and Utah" [*sic*], see *Corydalis wetherillii*, "collected near Bright Angel Creek, one of the branches of the Colorado River which comes into the river nearly opposite Hans' Trail" [*sic*, Hance Trail], collected by Alfred Wetherill in 1897.

1903 19.3597 New species of western plants. *Torrey Botanical Club, Bulletin*, 30(9) (September): 483-502.

► See *Fraxinus macropetala*, pp. 494-495; Grand Canyon collections by E. O. Wooten, 1902, and C. Hart Merriam, Bright Angel Trail, 1903.

1916 19.3223 The trees and shrubs of the Grand Canyon of the Colorado [ABSTRACT]. *In:* The Ecological Society of America [SECTION]. *Science*, New Series, 44 (November 24) (1143): 759.

1918 19.5130 Department of Botany. *From:* Departmental Reports [SECTION]. *In:* Grunsky, C. E., Report of the President of the Academy for the year 1917. *California Academy of Sciences, Proceedings*, Series 4, 7(12/13): 347-349.

► See p. 348, brief note of a collecting trip in April to Grand Canyon and elsewhere in Arizona. "[The specimens] will form the basis of a paper on the flora of the Grand Canyon which I hope to prepare." (ENTIRE NOTE)

1919 19.580 Early spring at the Grand Cañon near El Tovar. *The Plant World* (Baltimore, Maryland), 22(4) (April): 95-99.

1937 19.4382 New species of western plants. *Leaflets of Western Botany*, 2(1) (January): 7-9.

► See p. 9, *Oreocarya capitata*, new species; type locality Hermit Trail, Grand Canyon. Also notes herbarium specimens from earlier gatherings by the author, from Hermit Trail and "on the Kaibab Trail to Roaring Springs".

Eckenwalder, James E.

1992 19.584 Silicaceae; willow family. Part One: *Populus.* *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 29-33.

Eckert, S. E.; Esque, T. C.; DeFalco, L. A.; Haines, D. F.

2001 19.4083 *Evaluating options for revegetation following a catastrophic fire in a pinyon-juniper community at Grand Canyon Parashant National Monument, on the Arizona Strip of Mohave County, Arizona.* [No place]: Western Ecological Research Center, *for* U.S. Bureau of Land Management, Arizona Strip District, St. George, Utah.

Eisenberg, Beth, AND Makarick, Lori J.

2002 19.2304 Monitoring exotic plant species on the Outlet burn. *Nature Notes* (Grand Canyon National Park), (Summer): 8-9.

Eisenberg, Beth, AND Watters, Kate

2002 19.2368 *Final report. 2002 revegetation and exotic species surveys in the Outlet fire, Grand Canyon National Park and Kaibab National Forest, Arizona.* Prepared for and edited by Lori Makarick. [No imprint], pp. + appendices.

Ellenwood, James R.

1994 19.3663 Monitoring long-term change of vegetation with historical inventories on the Kaibab National Forest. *In:* Greer, Jerry Dean (ed.), *Remote sensing and ecosystem management : proceedings of the Fifth Forest Service Remote Sensing Applications Conference, Portland, Oregon, 11-15 April 1994. Sponsored by: United States Department of Agriculture, Forest Service, Society of American Foresters, Remote Sensing Working Group.* [No imprint], pp. 144-150.

Ellingson, Aaron R., AND Andersen, Douglas C.

2002 19.2272 Spatial correlations of *Diceroprocta apache* and its host plants: Evidence for a negative impact from *Tamarix* invasion. *Ecological Entomology*, 27(1) (February): 16-24.

Ellis, Don E.

1946 19.5143 Anthracnose of dwarf mistletoe caused by a new species of *Septogloeum*. *Mitchell Society, Journal*, (June): 25-50, Plates 4-6.

► *Septogloeum gillii*, new species. Host species in Grand Canyon noted:
Arceuthobium campylopodium f. *abietinum* (Engelmann) Gill (p. 30)
A. c. f. *divaricatum* (Engelmann) Gill (p. 31)
A. c. f. *microcarpum* (Engelmann) Gill (p. 31).

Ellis, J. B., AND Everhart, B. M.

1900 19.4048 New species of fungi from various localities with notes on some published species. *Torrey Botanical Club, Bulletin*, 27(2) (February): 49-64.

► See p. 61, *Puccinia circinans*, new species, "On *Penstemon spectabilis*, Grand Cañon of the Colorado (Prof. J. W. Toumey [collector])."

Elmore, Francis H.

1944 19.5781 Ethnobotany of the Navajo. A monograph of the University of New Mexico and the School of American Research. *School of American Research, Monographs* (Santa Fe, New Mexico), (8), 136 pp.

1974 19.5782 Ethnobotany of the Navajo. *University of New Mexico, Bulletin 392*, 136 pp.

► Reprinting of Elmore (1944, ITEM NO. 19.5781).

Elmore, Francis H., AND Janish, Jeanne R.

1976 19.586 *Shrubs and trees of the Southwest Uplands.* Tucson: Southwest Parks and Monuments Association, 214 pp. (Popular Series, 19.)

Elvander, Patrick

1992 19.587 Saxifragaceae; saxifrage family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 36-41.

Embrey, Teague M.

2015 19.6555 Noteworthy collection; Arizona; *Rosa stellata* Wooton subsp. *abyssa* A. M. Phillips (Rosaceae). *Madroño*, 62(3) (July/September): 182-183.

► Reports this plant from Cave Canyon (Vulture Canyon), Grand Canyon National Park, 65 km southwest of the type locality at Twin Point, Shivwits Plateau (see Phillips, 1992, ITEM NO. 19.1310), whereas the nearest prior gatherings other than the type were no closer than 205 km to the east, and farther east.

Embrey, Teague M.; Curtis, Joslyn; Henke, Shannon E.; Edwards, Karin J.; Prengaman, Kathryn A.; Schmid, Sarah M.; AND Abella, Scott R.

2012 19.3709 Thirty new localities for *Eriogonum jonesii*. *Canotia*, 8(2): 59-64.

Embry, Robert S., AND Gottfried, Gerald J.

1971 19.3666 Basal area growth of Arizona mixed confer species. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-198*, 3 pp.

► See p. 1, *note 2*: "On the Kaibab Plateau, corkbark fir is replaced by subalpine fir (*Abies lasiocarpa* var. *lasiocarpa* (Hook.) Nutt.)" (ENTIRE NOTE)

Emery, William H. P.

1957 19.2094 A cyto-taxonomic study of *Setaria macrostachya* (Gramineae) and its relatives in the southwestern United States and Mexico. *Torrey Botanical Club, Bulletin*, 84(2) (March/April): 94-105.

Engel, E. Cayenne, AND Abella, Scott R.

2010 19.4299 Trying to beat the brome: understanding establishment thresholds and choosing competitive native species at Parashant National Monument. *Mojave Applied Ecology Notes* (University of Nevada at Las Vegas, Applied Ecology Research Group), 3(4) (Winter): 3, 7.

► Grand Canyon-Parashant National Monument.

Epple, Anne Orth, AND Epple, Lewis E.

1995 19.594 *A field guide to the plants of Arizona.* Helena, Montana: Falcon Press, 347 pp.

Erickson, Chris C.; Waring, Kristen M.; AND Ohlemuller, Ralf

2014 19.4119 Old *Pinus ponderosa* growth responses to restoration treatments, climate and drought in a southwestern US landscape. *Applied Vegetation Science*, 17(1) (January): 97-108.

► Northwestern Arizona.

Escamilla, Sasha

2021 19.6678 Sentry milk-vetch: Emerging threats and new discoveries. *Canyon Views* (Grand Canyon Conservancy), 28(2) (Fall/Winter): 10-13.

► *Astragalus cremnophylax* var. *cremnophylax*. Article further includes investigations of habitat degradation caused by bison on the North Rim.

ESL Incorporated

1981 19.4637 *NASA/BLM Applications Pilot Test (APT) : Phase II Final Report.* Sunnyvale, California: ESL Incorporated, Electromagnetic Systems Labs, 3 volumes, separately paginated [86, 471, 135 pp. total]. (NASA Contract NAS9-15740.) [U.S. National Aeronautics and Space Administration; U.S. Bureau of Land Management.] [*Volume I: Executive Summary* (N82-24532). *Volume II: Technology Demonstration* (N82-24533). *Volume III: Technology Transfer* (N82-24534).]

► Arizona Strip. "The second (Arizona) phase of the APT program has included both vegetation cover mapping and range, woodland, and forest production estimation"; a "demonstration of the integration of remote sensing technology with existing techniques for producing a vegetation type map and vegetation productivity estimates." (Volume I, pp. 2, 3).

Esslinger, Theodore L.

2000 19.4309 A key for the lichen genus *Physconia* in California, with descriptions for three new species occurring within the state. *California Lichen Society, Bulletin*, 7(1) (Summer): 1-6.

► Despite the title's restriction to California, see pp. 5-6, *Physconia isidiomuscigena* Essl., new species, type from Grandview Trail, Grand Canyon; and additional type material from (among other locales) South Kaibab Trail, Grand Canyon, and from North Rim, "junction of paved roads *ca.* 6.5 km N of Kaibab Lodge [*sic*, Grand Canyon Lodge?]".

Eubank, Susan C.

2004 19.2490 Getting to know the plants of Grand Canyon. *Canyon Views* (Grand Canyon Association), 10(3) (Fall): 4-5.

Eutis, Christine E.

2009 19.3302 Endangered and Threatened wildlife and plants; Review of native species that are candidates for listing as Endangered or Threatened; Annual notice of findings on

resubmitted petitions; Annual description of progress on listing actions. *Federal Register*, 74(215) (November 9): 57804-57878.

► See pp. 57858, 57876, regarding *Pediocactus peeblesianus* var. *fickeiseniae* (Fickeisen plains cactus).

Evans, Alexander W.

1917 19.3353 Preliminary list of Arizona Hepaticae. *The Bryologist*, 20(4) (July): 60-62.

► See listing of occurrences, p. 60, *Targionia hypophylla* L. from Bright Angel Trail, and p. 61, *Asterella californica* (Hampe) Underw. from Bright Angel Trail.

1920 19.6209 The North American species of *Asterella*. *U.S. National Herbarium, Contributions*, 20(8): 247-312.

► See *Asterella californica* (Hampe) Underw. (pp. 280-283). Specimens examined include: "Arizona: Bright Angel Trail, bottom of Grand Canyon, 1913, *Nichols* (Y.; listed by the writer, somewhat doubtfully, in Bryologist 20: 61 1917 [*i.e.* Evans (1917, ITEM NO. 19.3353)]."

Everitt, B. L.

1979 19.595 Discussion [of "Fluvial adjustments to the spread of tamarisk in the Colorado Plateau region" (Graf, 1978).] *Geological Society of America, Bulletin*, Part 1, 90: 1183.

► See also reply by Graf, 1183-1184.

F

Fairley, Helen C.

2015 19.4852 Dam-induced changes to riparian ecosystems and associated traditional cultural values: results of a pilot study downstream of Glen Canyon Dam, Arizona [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 27-28.

Fairley, Helen C., AND Fairley, A. H.

2017 19.5842 Documenting Glen Canyon Dam effects to culturally valued riparian vegetation using repeat photography [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 53-54.

Fairweather, Mary Louise [Fairweather, Mary Lou]

1988 19.3833 *Cultural and other morphological studies of* Inonotus andersonii. Master's thesis, University of Arizona, 31 pp.

► Isolates include Gambel oak, *Quercus gambelii*, from "South Rim" of Grand Canyon.

1990 19.597 Biological evaluation of pest conditions and potential hazard trees in two campgrounds on the Kaibab National Forest, Arizona. Albuquerque: *U.S. Forest Service, Southwestern Region, State and Private Forestry, Forest Pest Management, Forest Pest Management Report R-3 90-3*, 8 pp.

Fairweather, Mary Lou; McMillin, Joel; Rogers, Terry; Conklin, Dave; AND Fitzgibbon, Bobbe

2006 19.5174 Field guide to insects and diseases of Arizona and New Mexico forests. *U.S. Forest Service, Southwestern Region, Management Report MR-R3-16-3*, 271 pp.

Fedde, Friedrich

1909 19.596 Papaveraceae–Hypecoideae et Papaveraceae–Papaveroideae. *In:* Engler, A. (ed.), *Das Pflanzenreich : Regni vegetabilis conspectus im Auftrage der Königl. preuss. Akademie der Wissenschaften*, 40. Heft. (IV. 104). Leipzig: Verlag von Wilhelm Engelmann, 430 pp. [In German (title in botanical Latin).]

► See p. 284.

Fehlberg, Shannon D., AND Ferguson, Carolyn J.

2012 19.4468 Intraspecific cytotype variation and conservation: An example from *Phlox* (Polemoniaceae). *Calochortiana* (Utah Native Plant Society), (1) (December): 189-195.

► Includes *P. amabilis* sampled from the Arizona Strip.

Ferguson, Charles W., Jr., AND Black, Donald M.

1952 19.2390 Tree-ring chronologies on the North Rim of the Grand Canyon. *Tree-Ring Bulletin*, 19(2) (October): 12-18.

Ferguson, Charles W., AND Humphrey, R. R.

1959 19.2189 Growth rings of sagebrush reveal rainfall records. *Progressive Agriculture in Arizona* (University of Arizona, College of Agriculture), 11(2) (Summer): cover, 3.

Ferguson, George M., AND McMahon, Michelle M.

2014 19.5460 University of Arizona Herbarium (ARIZ) Tucson; half a million specimens and a century of research, service, and research in plant and fungal biodiversity. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 10-13.

Fernald, M. L.

1899 19.2804 *Eleocharis ovata* and its American allies. *American Academy of Arts and Sciences, Proceedings*, 34(19) (April): 485-497.

► See pp. 495-496: *Eleocharis engelmanni* Steud. from "Grand Cañón of the Colorado (*F. H. Knowlton*, no. 231)".

1934 19.4336 A new *Primula* from the Grand Canyon of the Colorado. *Rhodora* (New England Botanical Club, Journal), 36 (April): 117-118, Plate 282.

► *Primula hunnewellii*, new species. Type locality given only as North Rim.

Ferris, Roxana Stinchfield

1918 19.3631 Taxonomy and distribution of *Adenostegia*. *Torrey Botanical Club, Bulletin*, 45(10) (October): 299-423.

► See *A. parviflora*, new species, p. 409; type locality given as "Grand Canyon of the Colorado River, near the San Francisco Mountains, Arizona".

Fertig, Walter

2008 19.3435 *Vascular plant flora of Pipe Spring National Monument: 2008 update.* Kanab, Utah: Moenave Botanical Consulting, 15 pp.

► Updates Fertig and Alexander (2008, ITEM NO. 19.3880).

2010 19.6540 *Annotated vascular plant database : Grand Canyon-Parashant National Monument: Phase I report.* (Colorado Plateau Cooperative Ecosystems Studies Unit, Agreement H1200-09-0005.)

► For Phase II, and remarks on Phase I, see Hildebrand and Fertig (2012, ITEM NO. 19.6539).

2014 19.5721 New Records for the flora of Arizona. *Canotia*, 10: 35-37.

► See p. 35, notice that *Juncus bryoides* F. J. Hermann may occur in specific habitats on the Arizona Strip.

Fertig, Walter, AND Alexander, Jason

2008 19.3880 Annotated checklist of vascular flora, Pipe Spring National Monument. *U.S. National Park Service, Natural Resource Technical Report NPS/NCPN/NRTR-2008/131*, 60 pp.

► For update see Fertig (2008, ITEM NO. 19.3435).

Fertig, Walter; Topp, Sarah; Moran, Mary; Hildebrand, Terri; Otti, Jeff; AND Zobell, Derrick

2012 19.6535 Vascular plant species discoveries in the Northern Colorado Plateau Network; update for 2008-2011. *U.S. National Park Service, Natural Resource Technical Report NPS/NCPN/NRTR-2012/582*, 94 pp.

► See section 3.14, "Pipe Spring National Monument" (pp. 58-66).

Ffolliott, Peter F., AND Gottfried, Gerald J.

2002 19.4622 Dynamics of a pinyon-juniper stand in northern Arizona: A half-century history. *U.S. Forest Service, Rocky Mountain Research Station, Research Paper RMRS-RP-35*, 10 pp.

► Refer also to Jameson (1965, ITEM NO. 19.801). Regarding Deadman Flat, *ca.* 20 miles north of Flagstaff, Arizona.

Fielder, Carl E., AND Arno, Stephen F.

2015 19.4838 *Ponderosa : people, fire, and the West's most iconic tree.* Missoula, Montana: Mountain Press Publishing Co., 261 pp.

Finck, Henry T.

1922 19.3275 *Gardening with brains : fifty years' experiences of a horticultural epicure.* New York: Harper and Brothers, 270 pp.

▶ See pp. 91-92: "I shall never forget the thrills of delight that overpowered me one night in the Grand Cañon of Arizona, halfway down to the Colorado River, when our camp was surrounded by a tangle of wild grapes in full bloom." (ENTIRE NOTE)

Fischer, Pierre C.

1979 19.5291 *Coryphantha vivipara* var. *kaibabensis*, a new variety from northern Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 51(6): 286-287.

▶ From Kaibab Plateau and House Rock Valley.

1991 19.605 *Echinocereus triglochidiatus* variety *toroweapensis*, a new variety from the Grand Canyon. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 63(4) (July/August): 194-195.

Fisher, Jessa

2008 19.5158 The Supai sunflower saves the day. (Photo from Suzanne Nelson.) *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 17.

2010 19.5803 Ethnobotany: People using native plants. Hualapai ethnobotany. *The Plant Press* (Arizona Native Plant Society), 34(1) (Spring): 17.

Flatley, William T., AND Fulé, Peter Z.

2016 19.5476 Are historical fire regimes compatible with future climate? Implications for forest restoration. *Ecosphere*, 7(10) (October): Article e01471, 21 pp. + Supporting Information online (accessible at http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1471/abstract).

▶ Study area on Kaibab Plateau.

Flatley, William T.; O'Donnell, F. C.; Fulé, Peter Z.; AND Springer, Abraham E.

2015 19.4853 Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon: Part I. Vegetation modeling [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, pp. 30-31.

▶ For Part II see O'Donnell *et al.* (2015, ITEM NO. 19.4870).

Fleming, John L., AND Goon, Jerry

NO DATE 19.6665 *Timber Management Plan : North Kaibab block : Kaibab National Forest : Region 3.* [No place]: U.S. Forest Service, Region Three, [129] pp. (2410.) [1972.] [Cover title: *Timber Management Plan : Region Three, Forest Service, U.S. Department of Agriculture*.]

Flowers, Seville

1959 19.5465 Vegetation of Glen Canyon. *In:* Woodbury, Angus M. (Biological Editor), Ecological studies of the flora and fauna in Glen Canyon. *University of Utah, Department of Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), pp. 21-61.

► Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona. With Appendix A, "Vascular Plants Collected in Glen Canyon" by Delbert W. Lindsay, pp. 63-72.

Fonseca, Julia

1992 19.3623 Southwest Rare and Endangered Plant Conference. *The Plant Press* (Arizona Native Plant Society), 16(2) (Summer): 6-7.

► Report pertaining to Arizona rare plants. For Grand Canyon includes notes of *Astragalus cremnophylax* var. *cremnophylax*, Sentry milkvetch; *Pediocactus paradinei*, Kaibab pincushion cactus; and *Pediocactus sileri* and *P. bradyii*, pincushion cacti.

Foos, K. Michael

1991 19.607 *Pilobolus* from Grand Canyon National Park. *American Midland Naturalist*, 126(2) (October): 401-403.

► Fungus. Includes:

Pilobolus kleinii van Tieghem "isolated at three locations on the South Rim of the Grand Canyon from mule dung"

Pilobolus roridus (Bolt.) Pers. "isolated in five locations on the North Rim of the Grand Canyon from deer dung."

Fowler, James F.; Sieg, Carolyn Hull; AND Wadleigh, Linda L.

2010 19.4728 Effectiveness of litter removal to prevent cambial kill-caused mortality in northern Arizona ponderosa pine. *Forest Science*, 56(2) (April): 166-171.

► In the immediate Grand Canyon region, study sites include "Scott Rx" (South Rim) and "Road Hollow Rx" (North Rim) sites in the Kaibab National Forest.

Fox, Jennifer

2019 19.6694 Getting into the weeds: Monitoring invasive plants on Parashant National Monument [ABSTRACT]. *In: Abstracts/talk summaries : Mojave Desert Network 2019 Science Symposium*, abstract 20.

► Grand Canyon-Parashant National Monument.

Frates, Tony

2020 19.6489 Range expansion in Utah of *Cyperus michelianus* (L.) Delile. *Sego Lily* (Utah Native Plant Society), 43(2) (Spring): 6-11.

► Includes Kaibab Plateau.

Frazier, John

1996 19.614 Hats off to GCA members. *Canyon Views* (Grand Canyon Association), 2(3): 6.

► Revegetation project.

Frescino, Tracey S.

2003 19.2755 *Forest resources of the Kaibab National Forest.* Ogden, Utah: U.S. Forest Service, Rocky Mountain Research Station, 13 pp.

Friederici, Peter

2003 19.5978 Healing the region of pines: Forest restoration in Arizona's Uinkaret Mountains. *In:* Friederici, Peter (ed.), *Ecological restoration of Southwestern ponderosa pine forests.* Washington, D.C., and Covelo (California): Island Press, pp. 197-214.

2004 19.2474 Forests of home: The four elements. *Plateau Journal*, 8(1) (Spring/Summer): 6-19.

Frisvad, Jens C., AND Samson, Robert A.

2004 19.4346 Polyphasic taxonomy of *Penicillium* subgenus *Penicillium*; a guide to identification of food and air-borne terverticillate Penicillia and their mycotoxins. *Studies in Mycology*, 49: 1-174.

► See pp. 104-105, *P. flavigenum* Frisvad & Samson, 1997; typical cultures include sample "CBS 110410, ex soil under cactus, Marica Point, Grand canyon, USA" [*sic*].

Frodin, David G.

1984 19.617 *Guide to standard floras of the world.* Cambridge, England: Cambridge University Press, 619 pp.

► See Arizona, p. 142.

Fryxell, Paul A.

1994 19.619 Malvaceae; mallow family. Part one: all genera except *Sphaeralcea* St.-Hill. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 222-236.

Fuchylo, Ya. D.; Los, S. A.; Sbytna, M. V.; AND Plotnikova, O. V. [Фучило, Я. Д.; Лось, С. А.; Сбитна, М. В.; Плотнікова, О. М.]

2016 19.6237 Характеристики насіння та ростові показники сіянців псевдотсуги мензіса різного географічного походження [Kharakterystyky nasinnya ta rostovi pokaznyky siyantsiv psevdotsuhy menzisa riznoho heohrafichnoho pokhodzhennya]. Characteristics of seeds and growth indicators of Douglas fir seedlings of different geographical origin. *Лісівництво і Агролісомеліорація* (Україна, Науково-дослідного інституту лісового господарства та гідромеліорації (НДіЛГА) [Lisivnytstvo i Ahrolisomelioratsiya (Ukrayina, Naukovo-doslidnoho instytutu lisovoho hospodarstva ta hidromelioratsiyi (NDILHA))] [*Forestry and Agroforestry* (Ukraine, Forestry and Hydroelioration

Research Institute (NDILGA))], (129): 76-83. [In Ukrainian, with title and abstract also in English and Russian.]

► Includes studies of Douglas fir seeds received from the U.S. in summer 2012, including Kaibab National Forest (Ranger District not indicated). [NDILGA ≈ Foresters together with the Directorate of the Branch of the Research Institute of Forestry and Land Reclamation.]

Fukushima, Satoshi, AND Minagawa, Tomoko [福嶋 悟; 皆川 朋子]

2008 19.5490 大気暴露による河川の不快糸状緑藻類コントロール [Taiki bakuro ni yoru kasen no fukai itojō ryokusōrui kontorōru]. Controls of nuisance filamentous green algae in rivers with atmospheric exposure. 応用生態工学 [Ōyō seitai kōgaku] [Applied Ecological Engineering] *Ecology and Civil Engineering* (Tokyo), 11(2): 123-132. [In Japanese, with bilingual titles and abstract.]

► Colorado River not mentioned by name in the article, but frequently cites papers on the Colorado River in Grand Canyon. Note the difference between the translated Japanese serial title and the English-language title as given in the serial.

Fulé, Peter Zoltan

1990 19.620 *Predicting forest floor fuel loading under ponderosa pine at Grand Canyon National Park, Arizona.* Master's thesis, Northern Arizona University, 95 pp.

2008 19.6674 Does it make sense to restore wildland fire in changing climage? *Restoration Ecology*, 16(4) (December): 526-531. (Editorial Opinion.)

► See figure 1 (p. 527), which shows ponderosa pine forests at Grand Canyon. No separate text mention.

2010 19.4488 Wildfire ecology and management at Grand Canyon, USA: Tree-ring applications in forest fire history and modeling. *In:* Stoffel, Markus, Bollschweiler, Michelle, Butler, David R., and Luckman, Brian H. (eds.), *Tree rings and natural hazards : a state-of-the-art.* Dordrecht, Heidelberg, London, and New York: Springer, pp. 365-381. (Volume: Advances in Global Change Research, 41.)

Fulé, Peter Z., AND Laughlin, Daniel C.

NO DATE 19.3935 *Fire use over a southwestern elevational gradient: Effects of 2003 fires : final report to the Joint Fire Science Program, H1200040002.* Flagstaff, Arizona: Northern Arizona University, School of Forestry and Ecological Restoration Institute, 32 pp.

► North Rim.

2007 19.2671 Wildland fire effects on forest structure over an altitudinal gradient, Grand Canyon National Park, USA. *Journal of Applied Ecology*, 44(1): 136-146.

► North Rim.

Fulé, Peter Z.; Cocke, Allison E.; Heinlein, Thomas A.; AND Covington, W. Wallace

2004 19.2478 Effects of an intense prescribed forest fire: Is it ecological restoration? *Restoration Ecology*, 12(2): 220-230.

Fulé, Peter Z.; Covington, W. Wallace; Moore, Margaret M.; Heinlein, Thomas A.; AND Waltz, Amy E. M.

2002 19.2171 Natural variability in forests of the Grand Canyon, USA. *Journal of Biogeography*, 29: 31-47.

Fulé, Peter Z.; Covington, W. Wallace; Smith, H. B.; Springer, Judith D.; Heinlein, Thomas A.; Huisinga, Kristin D.; AND Moore, Margaret M.

2002 19.2340 Comparing ecological restoration alternatives: Grand Canyon, Arizona. *Forest Ecology and Management*, 170(1/3): 19-41.

Fulé, Peter Z.; Covington, W. Wallace; Stoddard, Michael T.; AND Bertolette, Don

2006 19.3432 "Minimal-impact" restoration treatments have limited effects on forest structure and fuels at Grand Canyon, USA. *Restoration Ecology*, 14(3): 357-368.

Fulé, Peter Z.; Crouse, Joseph E.; Cocke, Allison E.; Moore, Margaret M.; AND Covington, W. Wallace

2004 19.2479 Changes in canopy fuels and potential fire behavior 1880-2040: Grand Canyon, Arizona. *Ecological Modelling*, 175(3): 231-248.

Fulé, Peter Z.; Crouse, Joseph E.; Heinlein, Thomas A.; Moore, Margaret M.; Covington, W. Wallace; AND Verkamp, Greg

2003 19.2480 Mixed-severity fire regime in a high-elevation forest of Grand Canyon, Arizona, USA. *Landscape Ecology*, 18(5): 465-486.

Fulé, Peter Z.; Heinlein, Thomas A.; AND Covington, W. Wallace

2006 19.4482 Fire histories in ponderosa pine forests of Grand Canyon are well supported: reply to Baker. *International Journal of Wildland Fire*, 15(3): 439-445.

▶ Baker, same issue (ITEM NO. 19.4481).

Fulé, Peter Z.; Heinlein, Thomas A.; Covington, W. Wallace; AND Moore, Margaret M.

2000 19.4011 Continuing fire regimes in remote forests of Grand Canyon National Park. *In:* Cole, David N., McCool, Stephen F., Borrie, William T., and O'Loughlin, Jennifer (compilers), Wilderness Science in a Time of Change Conference; Volume 5: Wilderness ecosystems, threats, and management; Missoula, Montana, May 23-27, 1999. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-15-Vol-5*, pp. 242-248.

2003 19.2399 Assessing fire regimes on Grand Canyon landscapes with fire-scar and fire-record data. *International Journal of Wildland Fire*, 12(2): 129-145.

Fulé, Peter Z.; Verkamp, Greg; Waltz, Amy E. M.; AND Covington, W. Wallace

2002 19.3071 Burning under old-growth ponderosa pines on lava soils; prescribed burning on volcanic soils in the Grand Canyon's Parashant National Monument produced unanticipated results. *Fire Management Today*, 62(3) (Summer): 47-49.

▶ Grand Canyon-Parashant National Monument.

Fulmer, James E., AND Robinson, A. T.

2008 19.5349 Aquatic plant species distributions and associations in Arizona's reservoirs. *Journal of Aquatic Plant Management*, 46: 100-106.

▶ Survey sites include Big Springs Tank (Kaibab Plateau).

G

Galbreath, Sharon

1998 19.6085 Logging in our national parks? "Restoration logging" project needs public scrutiny. *In:* Saving Grand Canyon [SPECIAL EDITION]. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 34(5) (Special Edition—June): 2.

► Regarding proposal to log within 160 acres in Grand Canyon National Park.

2002 19.2256 The Kaibab Plateau—a place in need of old growth preservation. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 6 [see also photo, p. 8].

2004 19.5913 The importance of old growth; a rare Arizona ecosystem needs protection. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(3) (May/June): 1.

► Includes photo of campsite in an old-growth forest on the North Kaibab National Forest.

2005 19.2527 Old growth logging on Kaibab Plateau near North Rim of Grand Canyon proposed while community protection projects go unfunded. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (May/June): 7.

Galbreath, Sharon, AND Segee, Brian

2002 19.2255 The destruction of an old growth forest; goshawk numbers decline as old growth disappears. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 38(3) (May/June): 5.

Galloway, Leo Aldis

1971 19.3979 *Systematics of the North American desert species of* Abronia *Jussieu and* Tripterocalyx *(Torrey) Hooker (Nyctaginaceae).* Doctoral dissertation, Texas Tech University, 160 pp.

► Includes Grand Canyon region.

Gandoger, Michel

1906 19.3656 Le genre Eriogonum (Polygonaceae). *Société Royale de Botanique de Belgique, Bulletin*, 42: 183-200. [Introduction in French; the remainder in botanical Latin.]

► New species. See p. 187: *Eriogonum juncinellum* Gdgr. sp. nova, est forma peculiaris ab *E. Baileyi* [Wats.] recedens caule minus ramoso glauco pauciflora, involucris parum costatis, floribus saltem duplo longius pedicellatis. Hab. *Arizona,* ad *Grand Canon of the Colorado,* alt. 7000' (Mac Dougal n. 182)."

And see p. 191: "Inflorescentia villoso-lanata. Fruticulus tortuosus basi decumbens toto foliosus, folio linearia 1 1/2 cent. longa 3 m. lata mucronata superne araneosa, cymae simplices trifurcatae pauciflorae, involucrum villosum vix costatum, bracteae ad apicem subulatae. Hab. *Arizona*, ad *Grand Canon of the Colorado* (Mac Dougal n. 176). *E. Macdougalii* Gdgr. n. sp." (ENTIRE NOTES)

Refer also to Heller (1907, ITEM NO. 19.3655) and Gandoger (1908, ITEM NO. 19.4656).

1908 19.4656 *Eriogonum Polygonacearum* genus speciebus varietatibusque novis auctum. (Ex: Bull. Soc. Roy. Bot. Belgique, XLII [1906], pp. 183-200.) *In:* Fedde, Friedrich (ed.), *Repertorium novarum specierum regni vegetabilis. Centralblatt für Sammlung und Veröffentlichung von Einzeldiagnosen neuer Pflanzen.* Berlin-Wilmersdorf: Selbstverlag des Herausgebers (Kommissions-Verlag von Gebrüder Borntraeger, Berlin), pp. 169-179. [In botanical Latin.]

▶ Reprinted from Gandoger (1906, ITEM NO. 19.3656). See *Eriogonum juncinellum* Gdgr. (p. 170), and *Eriogonum macdougalii* Gdgr. (pp. 172-173).

Garnett, Gregg N.; Chambes, Carol L.; AND Mathiasen, Robert L.

2006 19.2868 Use of witches' brooms by Abert squirrels in ponderosa pine forests. *Wildlife Society Bulletin*, 34(2) (June): 467-472.

Gearries, J. A.

2022 19.6831 Impacts of climate change and Grand Canyon National Park vegetative ecosystems: a case study using phenology and citizen science [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 62.

Gentry, Marie A.

1982 19.4425 Women botanists and plant collectors of Arizona. *The Central Spine* (Central Arizona Cactus and Succulent Society), 2(4) (December 19): 1-4.

George, Roxane

2004 19.5914 Sierra Club challenges Bush Administration; old growth timber sale overlooking Grand Canyon National Park. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 40(3) (May/June): 7.

2005 19.2528 Envisioning truly healthy forests. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (May/June): 6.

George, Roxane, AND Nowicki, Brian

2005 19.2529 Protecting Arizona's forests with the truth. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), (May/June): 1.

Gerhart, Frank, AND Menzel, Jürgen

1980 19.5097 Zu den Standorten winterharter Kakteen in den südwestlichen Vereinigten Staaten. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 31(5): 140-144. [In German.]

▶ See pp. 143-144, regarding investigations in the eastern Grand Canyon plateau areas.

Gibson, Henry H.

1913 19.3406 *American forest trees.* (Hu Maxwell, ed.) Chicago: Hardwood Record, 708, xv pp.

► See under "Hornbeam" (pp. 594-598), "Knowlton Hornbeam (*Ostrya knowltoni*)", p. 598. (*Ostrya knowltonii* Cov.)

Gierisch, Ralph K.

1981 19.4985 Observations and comments on *Pediocactus sileri* in Arizona and Utah. *Desert Plants*, 3(1) (Spring): 9-16.

► Begins with "Editor's Note" (p. 9).

Gilbertson, R. L.

1973 19.5171 Notes on some corticioid lignicolous fungi associated with snowbanks in southern Arizona. *Persoonia* (Rijksherbarium, Leiden), 7(2): 171-182.

► See: *Athelia epiphylla* Pers. (pp. 173-174), comparative specimen examined, "RLG 7864, on ponderosa pine (*Pinus ponderosa* Laws.) log, East Side Game Road, Kaibab Plateau, Coconino County, Arizona, June 5, 1968"

Coniopora corrugis Burt (p. 177), comparative specimens examined, "RLG 7881, on spruce twigs (*Picea* sp.), in snow, East Side Game Rd., Kaibab Plateau, Coconino County, Arizona, June 6, 1968", and (square brackets are part of quotation) "P. D. Keener, on corkbark fir [*Abies lasiocarpa* var. *arizonica* (Merriam) Lemm.], Pt. Sublime Rd., North Rim, Grand Canyon Natl. Park, June 25, 1957."

Gilbertson, R. L., AND Budington, A. B.

1970 19.633 New records of Arizona wood-rotting fungi. *Arizona Academy of Science, Journal*, 6(2): 91-97.

► "Voucher specimens are deposited in the University of Arizona herbarium." See:

Athelia galzini (Bourd.) Donk. (p. 92), "East Side Game Rd., Kaibab Plateau, on ponderosa pine, RLG 7869".

Polyporus leucospongia Cke. et Harkn. (p. 96), "Robber's Roost Rd., North Rim, Grand Canyon Nat. Park, on white fir, P. D. Keener; Point Imperial, North Rim, Grand Canyon Nat. Park, on white fir, P. D. Keener. Associated with a brown rot."

Polyporus subchartaceus (Murr.) Overh. (p. 96), "Robber's Roost Rd., North Rim, Grand Canyon Nat. Park, on quaking aspen, P. D. Keener; Spring Campground, North Rim, Grand Canyon Nat. Park, on quaking aspen, P. D. Keener; Cape Royal, North Rim,' Grand Canyon Nat. Park, on quaking aspen; P. D, Keener; Point Sublime, North Rim, Grand Canyon Nat. Park, on quaking aspen, P. D. Keener. Associated with a white rot."

Poria taxicola (Pers.) Cke. (p. 97), "Neal Spring Campground, Grand Canyon Nat. Park, on ponderosa pine, P. D. Keener."

Sparassis radicata Weir. (p. 97), "North Rim, Grand Canyon Nat. Park, on ground under conifers, S. Mayhew".

Gilbertson, R. L., AND Lindsey, J. P.

1975 19.3473 Basidomycetes [*sic*] that decay junipers in Arizona. *Western North American Naturalist*, 35(3): 288-304.

► Basidiomycetes.

Gildar, Cara N.; Fulé, Peter Z.; AND Covington, W. Wallace

2004 19.6034 Plant community variability in ponderosa pine forest has implications for reference conditions. *Natural Areas Journal*, 24(2): 101-111.

► Study areas on Powell Plateau, Rainbow Plateu, and Galahad Point, Kaibab Plateau.

Girel, J., AND Pautou, G.

1997 19.5940 The influence of sedimentation on vegetation structure. *In:* Haycock, Nick, Burt, Tim, Goulding, Keith, and Pinay, Gilles (eds.), *Buffer zones: their process and potential in water protection : the proceedings of the International Conference on Buffer Zones, September 1996.* Harpenden, Hertfordshire, England: Quest Environmental, pp. 93-112.

► See section, "Sedimentation and Anthropogenic Impacts" (pp. 98-99), which includes note of Colorado River below Glen Canyon Dam. Also electronic online version, 2001, St. Albans, Hertfordshire, England: Haycock Associated Limited.

Gladson, Dick

2004 19.2443 Spring reveg work at Indian Garden. *Footprints*, (8) (January/February): 3.

► Revegetation project.

Glausiusz, Josie

1996 19.634 Trees of salt. *Discover*, (March): 30, 32.

► Tamarisk along the Colorado River.

Glover, Anna, AND Hamilton, Kristen

2020 19.6545 Then and now; flora and fauna. *In:* Scott, Annie, and Snow, Eleanor, The 150th anniversary of the 1869 Powell Expedition; USGS participation in the Sesquicentennial Colorado River Exploring Expedition and reflections from the ~1,000-mile journey down the Green and Colorado Rivers. *U.S. Geological Survey, Circular 1475*, pp. 38-39.

Goetz, Alexander R. B.; Moffit, I.; AND Sher, Anna A.

2022 19.6832 Recovery of a native riparian tree following removal of an invasive competitor [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 62.

► *Tamarix* removal and *Salix* recovery.

Goetz, Alexander R. B.; González Sargas, Eduardo; Vidal, Mayra C.; Shafroth, Patrick B.; Henry, Annie L.; AND Sher, Anna A.

2024 19.6855 Outcomes of control and monitoring of a widespread riparian invader (*Tamarix* spp.): a comparison of synthesis approaches. *NeoBiota* (Sofia, Bulgaria), 91: 67-98.

► Review article of published sampling location data, including Lower Colorado River Basin.

González, Eduardo; Sher, Anna A.; Anderson, Robert M.; Bay, Robin F.; Bean, Daniel W.; Bissonnete, Gabriel J.; Bourgeois, Bérenger; Cooper, David J.; Dohrenwend, Kara; Eichhorst, Kim D.; El Waer, Hisham; Kennard, Deborah K.; Harms-Weissinger, Rebecca; Henry, Annie L.; Makarick, Lori J.; Otoja, Steven M.; Reynolds, Lindsay V.; Robinson, W. Wright; AND Shafroth, Patrick B.

2017 19.5564 Vegetation response to invasive *Tamarix* control in southwestern U.S. rivers: a collaborative study including 416 sites. *Ecological Applications*, 27(6) (September): 1789-1804 + Supporting Information online accessible at http://onlinelibrary.wiley.com/doi/10.1002/eap.1566/full. See also "Tamarix 'Chorus' Dataset", http://datadryad.org/resource/doi:10.5061/dryad.70mt1/1 (Excel file).

González, Eduardo; Sher, Anna A.; Anderson, Robert M.; Bay, Robin F.; Bean, Daniel W.; Bissonnete, Gabriel J.; Cooper, David J.; Dohrenwend, Kara; Eichhorst, Kim D.; El Waer, Hisham; Kennard, Deborah K.; Harms-Weissinger, Rebecca; Henry, Annie L.; Makarick, Lori J.; Ostoja, Steven M.; Reynolds, Lindsay V.; Robinson, W. Wright; Shafroth, Patrick B.; AND Tabacchi, Eric

2017 19.5565 Secondary invasions of noxious weeds associated with control of invasive *Tamarix* are frequent, idiosyncratic and persistent. *Biological Conservation*, 213(Part A) (September): 106-114.

Goodson, Danny

2006 19.3881 Grand Canyon National Park. *In:* Natural Resources Conservation Service, *Year 2006 Los Lunas Plant Materials Center annual technical report.* Los Lunas, New Mexico: U.S. Department of Agriculture, Los Lunas Plant Materials Center, pp. 31-35.

2006 19.3882 Pipe Spring National Monument. *In:* Natural Resources Conservation Service, *Year 2006 Los Lunas Plant Materials Center annual technical report.* Los Lunas, New Mexico: U.S. Department of Agriculture, Los Lunas Plant Materials Center, pp. 36-40.

Gorelick, Root

2005 19.2870 *Echinocactus polycephalus* ssp *xeranthemoides* in Marble Canyon. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 77(1) (January): 44-45.

2011 19.4273 Cacti and agaves at the Grand Canyon's South Rim; a record of the succulents encountered on a brief visit to the Grand Canyon in June 2009. *CactusWorld*, 29(1) (March): 27-30.

Gottfried, Gerald J., AND Heidmann, L. J.

1992 19.4120 Effects of gibberellic acid, *N-6*-benzylaminopurine, and acetone on pinyon (*Pinus edulis*) germination. *U.S. Forest Service, Rocky Mountain forest and Range Experiment Station, Research Note RM-514*, 5 pp.

► Study areas are Cedar Ranch, approximately 28 miles northwest of Flagstaff, and Tusayan, "several miles south of the Grand Canyon airport".

Gould, Frank W.

1949 19.5218 Arizona plant records—II. *Leaflets of Western Botany*, 5(10) (April): 167-171.

► See *Setaria verticillata* (L.) Beauv. (p. 169), noting "Havasupai Canyon, *Clover No. 5183, 5184*" (in context, the species is reported here as having been found "as somewhat of a surprise" also in the Huachuca Mountains); *Elymus multisetus* (J. G. Smith) Davy (p. 169), a second record in Arizona, from South Kaibab Trail, *Clover & Jotter No. 4147*.

1951 19.648 Grasses of southwestern United States. *University of Arizona, Bulletin*, 22(1), Biological Science Bulletin no. 7, 352 pp.

Graf, William L.

1978 19.649 Fluvial adjustments to the spread of tamarisk in the Colorado Plateau region. *Geological Society of America, Bulletin*, 89: 1491-1501.

► See also discussion by Everitt (1979), *Geological Society of America, Bulletin*, Part 1, 90: 1183.

Graham, John, AND Graham, Pat

1987 19.5098 The seed collecting year. *The Central Spine* (Central Arizona Cactus and Succulent Society), (January): 2-5.

► Summary of seed gatherings during 1986. See pp. 3-4 regarding activities in Marble Canyon and Arizona Strip areas.

Grand Canyon Trust

NO DATE 19.6771 *A field guide to pinyon jays and pinyon & juniper forests.* [Flagstaff, Arizona]: Grand Canyon Trust, folded brochure. [2023.]

2011 19.5454 Kane and Two Mile Ranch program. *In: Report to donors : Grand Canyon Trust : 2011.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 12-13.

► Kane Ranch, Two Mile Ranch.

2013 19.5455 The Kane and Two Mile Ranch program focuses on preserving the ecological, cultural, and scenic values of 850,000 acres on the North Rim of the Grand Canyon, and on developing science-based land management approaches for achieving conservation and restoration objectives. *In: Grand Canyon Trust : report to donors : 2013*. [Flagstaff, Arizona]: Grand Canyon Trust, pp. 14-15.

► Kane Ranch, Two Mile Ranch.

2013 19.5456 The Geographic Information Systems program (GIS) uses advanced technology to support and communicate the Trust's conservation objectives and accomplishments. *In: Grand Canyon Trust : report to donors : 2013*. [Flagstaff, Arizona]: Grand Canyon Trust, pp. 22-23.

► Includes Vermilion Cliffs National Monument.

2015 19.5457 Thanks to you we are . . . working for healthy ecosystems and prosperous communities in northern Arizona's forests. *In: Grand Canyon Trust : report to*

donors : 2015. [Flagstaff, Arizona]: Grand Canyon Trust, pp. 10-11. [Ellipsis is part of title.]

► Four Forest Restoration Initiative.

2015 19.5458 Thanks to you we are . . . restoring the North Rim Ranches. *In: Grand Canyon Trust : report to donors : 2015.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 16-17. [Ellipsis is part of title.]

► Kane Ranch, Two Mile Ranch.

2017 19.5677 Accelerating restoration of northern Arizona's forests. Turning adventurers into advocates. *In: Grand Canyon Trust : report to donors : 2017.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 12-13.

► Four Forest Restoration Initiative.

2017 19.5676 Planning for a changing climate on the North Rim. *In: Grand Canyon Trust : report to donors : 2017.* [Flagstaff, Arizona]: Grand Canyon Trust, pp. 18-19.

► Kane Ranch, Two Mile Ranch.

2025 19.7009 Harnessing people power through volunteering. *In:* 2024 Impact Report; a look at major milestones from 2024. *Colorado Plateau Advocate*, (Spring/Summer): 40-41.

► Projects noted include North Rim seed collection and planting in Grand Canyon National Park.

Grand Canyon Trust, Staff

1996 19.662 Forest health; the patient is critical. *Colorado Plateau Advocate*, (Fall): 8.

1997 19.663 Seeps in the Grand Canyon; hope springs eternal. *Colorado Plateau Advocate*, (Fall): 3.

1997 19.664 More forest, fewer trees. *Colorado Plateau Advocate*, (Fall): 6.

1998 19.665 Reinventing forest management. *Colorado Plateau Advocate*, (Summer): 6-7.

Grand Canyon Trust; Friends of the Cliffs; Arizona Water Protection Fund; AND U.S. Bureau of Land Management

NO DATE 19.4001 *Paria Canyon riparian restoration.* [No place]: Grand Canyon Trust, Friends of the Cliffs, Arizona Water Protection Fund, and U.S. Bureau of Land Management, folded brochure.

Grand Canyon Trust; U.S. Bureau of Land Management; U.S. Forest Serfice; Arizona Game and Fish Department; Northern Arizona University; University of Arizona; AND U.S. Geological Survey

2011 19.5547 *Kane and Two Mile Ranches applied research plan.* [No place]: Grand Canyon Trust, U.S. Bureau of Land Management, U.S. Forest Service, Arizona Game and Fish Department, Northern Arizona University, University of Arizona, and U.S. Geological Survey, 63 pp.

► Kane Ranch, Two Mile Ranch.

Grand Canyon Wildlands Council

2001 19.2351 *An inventory, assessment, and development of recovery priorities for Arizona Strip springs, seeps and natural ponds: A synthesis of information.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, 49 pp. (AWPF grant no. 99-074WPF: Task 2.)

2002 19.3858 *Arizona Strip springs, seeps and natural ponds: Inventory, assessment, and development of recovery priorities : final project report.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Department of Water Resources, Arizona Water Protection Fund, Phoenix, 47 pp. (AWPF grant no. 99-074WPF.)

2005 19.2725 *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, 146 pp. and CD-ROM.

2010 19.3862 *Pakoon Springs rehabilitation : final report.* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* U.S. Bureau of Land Management, Grand Canyon-Parashant National Monument, St. George, Utah, and Arizona Department of Water Resources, Arizona Water Protection Fund, Phoenix, 84 pp. + maps and rehabilitation plans (11 × 17-inch format) + 910 field rehabilitation photos on DVD. ("Task #9, AWPF grant contract #06-137WPF and including Task #4 and Task #8 final monitoring reports".)

2011 19.3413 Gooding's Willow in Grand Canyon: Requiem or revival? *Boatman's Quarterly Review*, 24(3) (Fall): 6-9.

2016 19.6200 *Hidden Slough and Leopard Frog Marsh rehabilitation : final report : Glen Canyon National Recreation Area : (Task #11 AWPF grant contract #11-181WPF).* Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* U.S. National Park Service, Glen Canyon National Recreation Area, Page, Arizona; and Arizona Water Protection Fund, Arizona Department of Water Resources, Phoenix, 116 pp.

Grant, Verne, AND Wilken, Dieter H.

1988 19.2096 Natural hybridization between *Ipomopsis aggregata* and *I. tenuituba* (Polemoniaceae). *Botanical Gazette*, 149(2) (June): 213-221.

Graves, Henry S.

1914 19.3502 *Report of the Forester for 1914.* Washington, D.C.: U.S. Government Printing Office.

► Offprint from U.S. Department of Agriculture, Annual Report. See p. 10, note of contract sale of 1,000,000,000 [board] feet of western yellow pine on the Kaibab National Forest. See p. 23: "The deer within the Grand Canyon Game Refuge have increased, it is estimated, to 10,000 in number as the result of the active campaign against their natural enemies, the mountain lion and bobcat, together with the almost complete prevention of hunting. There has been a corresponding gain in other species indigenous to the region." (ENTIRE NOTE)

Gray, Asa

1878 19.686 Contributions to the botany of North America. *American Academy of Arts and Sciences, Proceedings*, 13: 361-374.

► See: *Astragalus subcinereus*, new species, from "Mokiak Pass in the northwestern part of Arizona, near the Utah boundary, Dr. E. Palmer, 1877" (p. 366)

A. scaposus, new species, from "Mokiak Pass, near the northeastern [*sic*] corner of Arizona, Dr. E. Palmer, 1877" (p. 366)

A. amphioxys, new species, localities include note, "collected in 1877 by Dr. Palmer on the borders of Utah and Arizona" (pp. 366-367)

A. mokiacensis, from "Mokiak Pass, on the borders of Utah and N. W. Arizona, Dr. Palmer, 1877" (p. 367)

A. humistratus Gray, var., from "Mokiak Pass" (p. 369)

A. artipes, new species, from "Mokiak Pass, northwest corner of Arizona" (p. 370)

Actinella biennis, new species, localities include "Mokiak Pass south of St. George" (p. 373).

1886 19.3022 Contributions to American botany. *American Academy of Arts and Sciences, Proceedings*, 21: 363-413.

► See p. 413.

1886 19.3023 *Synoptical flora of North America: The Gamopetalæ, being a second edition of Vol. I. Part II. and Vol. II. Part I., collected. Published by the Smithsonian Institution, Washington.* New York: Ivision, Blakeman, Taylor, and Company; London: Wm. Wesley, and Trübner and Co.; and Leipsic: Oswald Weigel, 480, 494 pp.

► With separate title-page as *Smithsonian Miscellaneous Collections*, (591): *Synoptical Flora of North America. The Gamopetalæ. A second edition of Vol. I, Part II, and Vol. II, Part I, collected.* Washington, D.C.: Smithsonian Institution. 1888.

See within (separate title-page, 1886): *Synoptical Flora of North America. Vol. II.—Part I. Gamopetalæ after Compositæ. Second edition. Published by the Smithsonian Institution, Washington.* New York: Ivision, Blakeman, Taylor, and Company; London: Wm. Wesley, and Trübner and Co.; and Leipsic: Oswald Weigel (494 pp.).

See specifically under *Phacelia* Juss. (p. 413 and following), *P. glechomæfolia* (p. 417), which notes, "Between Peach Springs and the Grand Cañon of the Colorado, May, 1885, *A. Gray*."

1888 19.4561 Conspicuous plants of the Grand Cañon. *From:* Tracy, S. M. [Samuel Mills], Report of an investigation of the grasses of the arid districts of New Mexico, Arizona, Nevada, and Utah. *In:* Report of an investigation of the grasses of the arid districts of Texas, New Mexico, Arizona, Nevada, and Utah, in 1887. *U.S. Department of Agriculture, Botanical Division, Bulletin 6*, p. 13.

► Transcribed by Tracy from "a 'visitors' register' at the camp here" (*i.e.*, entry from a guest book during a visit to the Farlee Hotel in Peach Springs Canyon by Prof. and Mrs. Gray May 3, 1885). See Gray (1893, ITEM NO. 2.13801 in THE GRAND CANON) for remarks in correspondence to Joseph Dalton Hooker, May 1885. Gray also notes there that his visit was on May 4 (thus likely May 3-4). *NOTE*: The Farlee Hotel guest book does not survive.

1895 19.4673 Order I. Ranunculaceæ. *In:* Gray, Asa, *Synoptical flora of North America: Vol. I.—Part I. Fascicles I and II. Polypetalæ from the Ranunculaceæ to the Polygalaceæ. (Thalamifloræ et Discifloræ.)* (Benjamin Lincoln Robinson, ed.). New York, Cincinnati,

and Chicago: American Book Co.; Cambridge, Massachusetts: Cambridge Botanical Supply Company; London: William Wesley and Son; Leipsic: Oswald Weigel, pp. 1-57.

► See *Crossosoma bigelovii* Watson, p. 57: *note*, notice of ?*C. parviflora* Robinson & Fernald, "first collected in the Grand Cañon of the Colorado by *Dr. Gray*". Volume, 506 pp., published in two fascicles, 1895, 1897. This citation from fascicle 1.

1900 19.3613 Some conspicuous plants of the Canyon . . . . *In:* James, George Wharton, *In and around the Grand Canyon: The Grand Canyon of the Colorado River in Arizona.* Boston: Little, Brown, and Co., pp. 321-322.

► Transcribed "from the Canyon Hotel Register at the Peach Springs Trail"; written during a visit to the Farlee Hotel, Diamond Creek, by Prof. and Mrs. Gray, 3-4 May 1885.

Gray (Professor); Torrey (Professor); Thurber (Professor); AND Engelmann (Dr.) [Gray, Asa; Torrey, John; Thurber, George; AND Engelmann, George]

1861 19.687 Botany. *In:* Ives, Joseph C., *Report upon the Colorado River of the West, explored in 1857 and 1858 by Lieutenant Joseph C. Ives, Corps of Topographical Engineers, under the direction of the Office of Explorations and Surveys, A. A. Humphreys, Captain Topographical Engineers, in charge. By order of the Secretary of War. U.S. 30th Congress, 1st Session, House and Senate Executive Document 90*. Washington, D.C.: U.S. Government Printing Office [1861], Part 4, 30 pp. ("By Professors Gray, Torrey, Thurber, and Dr Engelmann". With 1860 date.)

► Botany section apparently arranged or edited by John Strong Newberry; see p. 20, footnote.

Gray, Bill

2008 19.4006 Salt Lake Chapter trek to the Beaver Dam Mountains. *Sego Lily* (Utah Native Plant Society), 31(4) (July): 1, 4-5.

► Includes plant list, p. 5.

Green, Keith

2010 19.3030 The visible boundary between the forests of Kaibab National Forest and Grand Canyon National Park. *The Ol' Pioneer* (Grand Canyon Historical Society), 21(1) (Winter): 8-9.

► Review of research by Christopher Holcomb.

Green, L. T.; Phillips, Arthur M., III; AND Mazzoni, Jill

NO DATE 19.5500 *Final report. River resource monitoring project—vegetation studies, Grand Canyon National Park. Part I.* Report submitted by Steven W. Carrothers to R. Roy Johnson, Cooperative National Park Resources Studies Unit, University of Arizona, Tucson, 42 pp. [1980?]

Greene, Edward Lee

1881 19.3684 New species of plants from New Mexico. *Botanical Gazette*, 6(1) (January): 156-158.

► See pp. 156-157, *Delphinium scaposum*; "I am informed by Dr. Gray that Prof. Newberry obtained what appears to be the same, south of Diamond River [Diamond Creek] in Arizona." (ENTIRE NOTE)

1890 19.3481 Bibliographical notes on well known plants.—X. *Torrey Botanical Club, Bulletin*, 17(1) (January 15): 13-14.

► See p. 13, *note*: "In the deep cañons of Northern Arizona which lead down to the Grand Cañon of the Colorado, I discovered a few months since an exceedingly interesting shrub which will bear the following name and description: [¶] *Rhus Canadensis*, Marsh., var. SIMPLICIFOLIA. [Brief description follows.]" New variety.

1890 19.3658 Notes on western oaks. *Pittonia*, 2 [1889-1892]: 111-114.

► See *Quercus turbinella* Greene, from Grand Canyon region (pp. 113-114).

1893 19.3174 Miscellaneous notes and news. *Erythea*, 1(12) (December): 260-261. [Item signed "E.L.G."]

► See p. 261, notice of Norman C. Wilson botanical field work in "some of the deep canons of northwestern Arizona" including "back of Peach Springs" (likely Diamond Creek).

1900 19.3198 Studies in the Cruciferae.—III. *Pittonia*, 4 [1899-1901]: 187-207.

► See pp. 194-195.

1905 19.3209 Segregates of the genus *Rhus*. *Leaflets of Botanical Observation and Criticism*, 1: 114-144. [Date of publication for pp. 129-144, November 29, 1905 (see p. 129).]

► See: *Schmaltzia cissodes*, new species, from "Grand Cañon of the Colorado, Ariz., near Indian Garden, Bright Angel Trail, C. H. Merriam, 10 May, 1903" (p. 136)
S. hirtella, new species, from "Grand Cañon of the Colorado, Ariz., 10 July, 1892, E. O. Wooton" (p. 137).

1906 19.3324 The genus *Ptelea* in the western and southwestern United States and Mexico. *U.S. National Herbarium, Contributions*, 10(2): 149-179.

► See pp. 50, 52, and the following descriptions of new species from Grand Canyon:
Ptelea nitida (p. 71)
P. argentea (p. 71)
P. triptera (pp. 71-72)
P. lutescens (p. 72)
P. elegans (p. 72)
P. confinis (p. 72)
P. saligna (p. 73).

1909 19.5558 New plants from Arizona. *Leaflets of Botanical Observation and Criticism*, 2: 20-24.

► See *Senecio stygius*, new species, p. 21; type "Grand Cañon of the Colorado, J. G. Lemmon, May, 1884. In U. S. Herb., the sheet not numbered."

1911 19.5559 Some southwestern mulberries. *Leaflets of Botanical Observation and Criticism*, 2: 112-121. [Date of publication for pp. 105-120, 6 October 1910 (see p. 105); date for pp. 121-152, 11 May 1911 (see p. 121).]

► See p. 121, *Morus grisea*, new species. "This fine specimen of this is on U. S. Herb. sheet 41506, and purports to have been collected forty years ago, by Dr. Edw. Palmer, at 'Hell Cañon, Arizona'; I presume in the northwestern part of the State, in some arm or tributary of the Grand Cañon."

Greenman, J. M. [Greenman, Jesse More]

1901 19.5556 *Monographie der nord- und centralamerikanischen Arten der Gattung Senecio. I. Teil. Allgemeines und Morphologie : Inaugural-Dissertation.* Leipzig: W. Engelmann, 37 pp. (Preprint of *Engler's botanische Jahrbücher,* Band XXXII, Heft 1, 1902.) [In German.]

1914 19.5557 Descriptions of North American Senecioneæ. *Missouri Botanical Garden, Annals*, 1(3) (September): 263-291.

► See "*Senecio* (§ *Lobati*) *prolixus*, comb. nov.", pp. 264-265, which synonymizes *S. diffusus* Greenm. Monogr. Senecio, Pt. 1, 24. 1901" (see Greenman, 1901, ITEM NO. 19.5556). [*Senecio prolixus*, new combination, type Gray Herb., *J.G. Lemmon, 3130* (1884).]

1917 19.3587 Monograph of the North and Central American species of the genus *Senecio*—Part II [continued]. *Missouri Botanical Garden, Annals*, 4(1) (February): 15-36.

► See: *Sencio lynceus* Greene, pp. 21-22; *Senecio stygius* Greene, pp. 27-28. Includes Grand Canyon specimens.

1918 19.3588 Monograph of the North and Central American species of the genus *Senecio*—Part II [continued]. *Missouri Botanical Garden, Annals*, 5(1) (February): 37-109.

► See *S. werneriaefolius* Gray, pp. 60-62, including Kaibab Plateau specimens.

Gregorn, Yannick

2003 19.4638 Zimotrdni ali prezimni kaktusi—1. del. Winter hardy cacti. Part 1. *Welwitschia* (Društva prijateljev kaktusov Slovenije, Glasilo) (Friends of Cacti Society of Slovenia, Journal [Newsletter]) (Lesce, Slovenia), 6(1/4): 22-27. [In Slovenian, with bilingual title.]

► See p. 27 (species listings only):
"*Pediocactus pleebesianus* var. *fickeisenii* [*sic*, *P. peeblesianus* var. *fickeiseniae*] (JZ Grand Canyon, območje Hualapai Hiltop [*sic*], Coconino County—Arizona (ZDA))"
"*Pediocactus paradinei* (Coconino County,—S Arizona (ZDA))"
"*Pediocactus bradyi* (Cocomino [*sic*] County—Arizona (ZDA))".

Grijseels, Sietske; Nielsen, Jens Christian; Randelovic, Milica; Nielsen, Jens; Nielsen, Kristian Fog; Workman, Mhairi; AND Frisvad, Jens Christian

2016 19.5219 *Penicillium arizonense*, a new, genome sequenced fungal species, reveals a high chemical diversity in secreted metabolites. *Scientific Reports* (Springer Nature), 6(35112), doi:10.1038/srep35112, 13 pp.

► "A new soil-borne species belonging to the *Penicillium* section *Canescentia* is described, *Penicillium arizonense* sp. nov. (type strain CBS 141311^{T}=IBT 12289^{T})." *Penicillium arizonense* Frisvad, Grijseels and J.C. Nielsen, new species; "Type: Herb. C-F-101845, cultures ex type IBT 12289=CBS 141311, from a sample of dry red soil, south rim of Grand Canyon, Grand Canyon Village, Arizona, USA (36° 3′ 22.31″ N; 112° 7′ 30.73″ W), Per V. Nielsen [Per Væggemose Nielsen], July 1990"; additional cultures "from same source as the culture ex type, but not of the same clone." [*Penicillium arizonense* Frisvad, Grijseels and J.C. Nielsen *in* Grijseels *et al.*, new species.]

Gross, Briana L.; Schwarzbach, Andrea E.; AND Rieseberg, Loren H.

2003 19.5213 Origin(s) of the diploid hybrid species *Helianthus deserticola* (Asteraceae). *American Journal of Botany*, 90(12): 1708-1720.

► Samples include:
H. deserticola from "Jct. of road to Lone Road and Hwy 89, Coconino C., AZ"
H. petiolaris from "16.1 km S of Page on Hwy 89, Coconino Co., AZ".

Gu, Xin; Lee, Thomas; Geng, Tao; Liu, Kang; Thoma, Richard; Crowley, Kathleen; Edrington, Thomas; Ward, Jason M.; Wang, Yongcheng; Flint-Garcia, Sherry; Bell, Erin; AND Glenn, Kevin C.

2017 19.5516 Assessment of natural variability of maize lipid transfer protein using a validated sandwich ELISA. *Journal of Agricultural and Food Chemistry*, 65: 1740-1749.

► Data include the landrace flint hybrid "Havasupai" (pp. 1745, 1746). [ELISA: Enzyme-linked immunosorbant assay.]

Guardado, Tania Parra

2023 19.6814 [Interview.] *In:* Polk internships help students find their path, purpose, and passion. *Canyon Views* (Grand Canyon Conservancy), 30(3) (Winter 2023/2024): 13-15.

► Eugene T. Polk Science Fellowship internships at Grand Canyon National Park. Includes interviews with interns Tania Parra Guardado (vegetation on the North Rim) and Baylee Christensen (juniper tree dieback and establishing native pollinator gardens on the North Rim).

Gucker, Corey L., AND Shaw, Nancy L.

2018 19.6482 Small-leaf globemallow, *Sphaeralcea parvifolia* A. Nelson, Malvaceae—Mallow family. *In:* Gucker, Corey L., and Shaw, Nancy L. (eds.), *Western forbs: biology, ecology, and use in restoration.* Reno, Nevada: Great Basin Fire Science Exchange, 16 pp. [separately paginated].

Guertin, Stephen

2013 19.4055 Endangered and Threatened wildlife and plants; Determination of Endangered status for *Sphaeralcea gierischii* (Gierisch Mallow) throughout its range. *Federal Register*, 78(156) (August 13): 49149-49165.

2013 19.4055 Endangered and Threatened wildlife and plants; Designation of critical habitat for *Sphaeralcea gierischii* (Gierisch mallow). *Federal Register*, 78(156) (August 13): 49165-49183.

Guillot Ortiz, Daniel; Rosselló Picornell, Josep Antoni; AND Laguna Lumbreras, Emilio

2008 19.4913 Taxones y cultones de la serie *Basilares* Britton & Rose, del género *Opuntia* Mill., cultivados en la Comunidad Valenciana. *Bouteloua* (Valencia, Spain), 4: 3-14. [In Spanish.]

► See discussion of *O. basilaris* Engelm. & Bigelow (pp. 3-4); specifically, p. 4, notes pertaining to *O. b.* var. *longiareolata* (Clover & Jotter) L. Benson, from along Colorado River in Grand Canyon.

Gulya, T. J.

1992 19.3628 Native American variety may provide sunflower crop with crucial resistance. *Diversity* (Genetic Resources Communications Systems, Inc., Washington, D.C.), 8(4): 29-30.

► Havasupai sunflower cultivar resistant to rust.

Gunn, Charles R., AND Seldin, Margaret J.

1976 19.3330 Seeds and fruits of North American Papaveraceae. *U.S. Department of Agriculture, Agricultural Research Service, Technical Bulletin 1517*, 96 pp.

► See pp. 26, 30, *Argemone arizonica* G. B. Ownbey, Arizona prickly-poppy, from Grand Canyon.

Gyula, Tamás

1981 19.5141 A sclerocactus genus Br. et. R. *Csili* (Kaktuszkedvelo Szakkőr Tájékoztatója, Budapest), 17(4): 107-110. [In Hungarian.]

► References to Grand Canyon and Pipe Spring, see p. 109, *Sclerocactus havasupaiensis* Clov. [and] varietas *roseum* Clov., *S. intermedius* Peebl., and *S. parviflorus* Clov. et Jott.

H

Haber, Erich

1992 19.697 Monotropaceae; Indian pipe family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 15-16.

1992 19.698 Pyrolaceae; wintergreen family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 22-28.

Hadley, Daniel R.

2014 19.5518 *Geomorphology and vegetation change at Colorado River campsites, Marble and Grand Canyons, AZ.* Master's thesis, Northern Arizona University, 146 pp. + Appendices A-F in Excel format.

Hadley, Daniel R.; Grams, Paul E.; AND Kaplinski, Matthew A.

2018 19.5969 Integrating high-resolution vegetation data and 14 years of topographic surveys to quantify impacts to sandbar campsites in Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 50(6): doi:10.1130/abs/2018AM-324519.

2018 19.5997 Quantifying geomorphic and vegetation change at sandbar campsites in response to flow regulation and controlled floods, Grand Canyon National Park, Arizona. *River Research and Applications*, (September): doi:10.1002.rra.3349 + Supporting Information (Table S1, Excel spreadsheet) online.

Hadley, Daniel R.; Grams, Paul E.; Kaplinski, Matthew A.; Hazel, Joseph E., Jr.; AND Parnell, Roderic A.

2018 19.5921 Geomorphology and vegetation change at Colorado River campsites, Marble and Grand Canyons, Arizona. *U.S. Geological Survey, Scientific Investigation Report 2017-5096*, 64 pp. + Appendices 1-6 available online (comma separated value (.csv) files and an Excel (.xlsx) file), https://pubs.er.usgs.gov/publication/sir20175096.

Haire, Sandra L., AND McGarigal, Kevin

2008 19.2864 Inhabitants of landscape scars: Succession of woody plants after large, severe forest fires in Arizona and New Mexico. *Southwestern Naturalist*, 53(2) (June): 146-161.

► Includes Kaibab Plateau.

Hall, Dan

2017 19.5685 Why ravenna matters. *Boatman's Quarterly Review*, 30(4) (Winter 2017-2018): 12-14.

► Ravenna grass, *Saccharum ravennae*, an invasive fountain grass.

Hallock, K. A.; Mazurek, M. A.; AND Cass, G. R.

1992 19.2918 *Carbonaceous aerosol particles from common vegetation in the Grand Canyon.* Honors Program paper, Long Island University, Southampton Campus, Southampton, New York, 9+ pp. [24 pp. total]. ("Under contract no. DE-AC02-76CH00016 with the United States Department of Energy". BNL-47679; Informal Report. DE92 040570.)

Halvorson, William L.

1967 19.708 *Environmental influence on the pattern of plant communities along the North Rim of the Grand Canyon.* Master's thesis, University of Illinois, Urbana, 47 pp.

1972 19.709 Environmental influence on the pattern of plant communities along the North Rim of Grand Canyon. *American Midland Naturalist*, 87(1): 222-235.

Hamburg, Stacey

2008 19.6101 Invaders of the Colorado! *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 44(3) (May/June): 6.

► Invasive plants and quagga mussel.

Hampton, Haydee M.; Sesnie, Steven E.; Dickson, Brett G.; Rundall, Jill M.; Sisk, Thomas D.; Snider, Gary B.; Bailey, John D.

2008 19.3076 *Analysis of small-diameter wood supply in northern Arizona.* [No place]: Northern Arizona University, College of Engineering and Natural Sciences, Forest Ecosysem

Restoration Analysis Program; and U.S. Forest Service, 74 pp. + appendices [210 pp. total].

Hand, Steven A.; Bly, N.; AND Espinasa, L.

2006 19.3089 Boundry [*sic*] effects upon population distribution: Theoertical [*sic*] mode and case study [ABSTRACT]. *In:* Proceedings; Abstracts of papers, 84th Annual Meeting of the Virginia Academy of Science, May 25-26, 2006, Virginia Polytechnic Institute and State University, Blacksburg, VA. *Virginia Journal of Science*, 57: 18.

► Locally dominant tree species, Grand Canyon.

Hanks, Jess P.; Fitzhugh, E. Lee; AND Hanks, Sharon R.

1983 19.6654 A habitat type classification system for ponderosa pine forests of northern Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-97*, 22 pp.

Hannemann, Michael, AND Foster, Valerie Stein

2014 19.4265 *Botany specialist report : Kaibab Forest plan revision, FEIS.* [No place]: U.S. Forest Service, Southwestern Region, 37 pp. [Final Environmental Impact Statement.]

► "Note: Previous versions of this report were written by Barbara C. Phillips; Zone Botanist (now retired) for the Coconino, Kaibab, and Prescott National Forests."

Hardison, Tanya

2003 19.2495 *Applications of remote sensing and GIS to modeling fire for vegetative restoration in northern Arizona.* Master's thesis, University of North Texas, 64 pp.

Hardwick, Gloria G.; Blinn, Dean W.; AND Usher, Howell D.

1992 19.716 Epiphytic diatoms on *Cladophora glomerata* in the Colorado River, Arizona: Longitudinal and vertical distribution in a regulated river. *Southwestern Naturalist*, 37(2): 148-156.

Haring, Inez M.

1941 19.720 Mosses of the Grand Canyon National Park. *The Bryologist*, 44(5) (October): 121-124.

► Includes separate lists for North and South Rims.

1946 19.721 Mosses of the Grand Canyon National Park, Arizona. II. *The Bryologist*, 49(3) (September): 90-96.

► Includes separate lists for North and South Rims.

Harned, Kristin Huisinga

2012 19.3650 Spring flowers. *Boatman's Quarterly Review*, 25(2) (Summer): 46.

Harrington, M. G., AND Hawksworth, F. G.

1990 19.3024 Interactions of fire and dwarf mistletoe on mortality of southwestern ponderosa pine. *In:* Krammes, J. S. (technical coordinator), Proceedings of the Symposium on Effects of Fire in Management of Southwestern Natural Resources. *U.S. Forest Service, General Technical Report RM-191*, pp. 234-240.

Harris, David R.

1966 19.723 Recent plant invasions in the arid and semiarid southwest of the United States. *Association of American Geographers, Annals*, 56: 408-422.

1971 19.724 Recent plant invasions in the arid and semi-arid Southwest of the United States. *In:* Detwyler, Thomas R. (ed.), *Man's impact on the environment.* New York: McGraw-Hill Book Co., pp. 469-470.

Harshberger, John W.

1911 19.725 *Phytogeographic survey of North America : a consideration of the phytogeography of the North American continent, including Mexico, Central America and the West Indies, together with the evolution of North American plant distribution.* Leipzig: Wilhelm Engelmann, and New York: G. E. Stechert and Co., 790 pp., map. (*Die Vegetation der Erde*, A. Engler and O. Drude (eds.), *XIII.*)

► See pp. 108-109, 291-295, 574-575, 580-581. Notes Grand Canyon in a general fashion, South Rim and Inner Canyon, pp. 570, 580. No mention of the Kaibab Plateau.

1958 19.726 *Phytogeographic survey of North America.* Weinheim: H. R. Engelmann (J. Cramer), and New York: Hafner Publishing Co.

► Reprint of Harshberger (1911). See pp. 108-109, 291-295, 574-575, 580-581.

Haskell, David [Haskell, Dave]

1997 19.727 A plan to restore Grand Canyon's forests. *Canyon Constituent*, (Fall): 3.

Haslinger, Gerhard

2015 19.5096 Niederösterreich/Bergenland Oktober-Berichte. *Gesellschaft Österreichischer Kakteenfreunde, Mitteilungsblatt*, 2015(11) (November): 194-196. [In German.]

► Cacti. See "Vereinsabend Oktober", pp. 195-196, regarding a presentation by Herbert Erhart, which includes notes on observations at Marble Canyon, Arizona.

2016 19.4987 Niederösterreich/Bergenland Berichte. *Gesellschaft Österreichischer Kakteenfreunde, Mitteilungsblatt*, 2016(1/2) (January/February): 8-12. [In German.]

► Cacti. See "Vereinsabend Jänner", pp. 9-11, theme "Pediocacteen am Standort und in Kultur", in which see various remarks on *Pediocactus* species from the House Rock Valley area.

2017 19.6551 Niederösterreich/Bergenland Berichte. *Gesellschaft Österreichischer Kakteenfreunde, Mitteilungsblatt*, 2017(4) (April): 57-58. [In German.]

► Cacti. Principally remarks on a presentation by Kurt Buder, "USA Reise 2014", which includes notes on cactus species seen in House Rock Valley, Marble Canyon, and the Cameron vicinity.

Hasse, Hermann Edward

1913 19.6210 The lichen flora of southern California. *U.S. National Herbarium, Contributions*, 17(1): 1-132.

► See *Lecidea platycarpa* Ach. (p. 39), distributional notes include "Grand Canyon, Arizona"; *Acarospora peltastricta* Zahlbr. (p. 65), distributional notes include "Grand Canyon, Arizona"; *Buellia retrovertens* Tuck. (pp. 120-121), distributional notes include "head of Bright Angel Trail, Grand Canon, Arizona".

Hassted, Steven C. M.

2013 19.5930 *Forest structure in unharvested old-growth: Understanding the influence of soils on variability of long-term tree dynamics and fire history.* Doctoral dissertation, Colorado State University, 82 pp.

► See Chapter 3, "A Comparison of Two Techniques to Identify the Oldest Trees in Mixed Conifer Forests" (pp. 60-74); study area on Kaibab Plateau.

Hastings, Barbara *see also* McKee, Barbara H.

1929 19.730 A food plant of the Indians. *Grand Canyon Nature Notes*, 3(11) (July 31): cover, 1-3.

► Mescal, *Agave utahensis*.

1930 19.5382 [Drawing of pine twig.] *Grand Canyon Nature Notes*, 4(8) (June 30): cover.

► Signed, "Hastings"; an illustration done prior to her marriage.

1994 19.731 A foodplant of the Indians. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 64-65.

► Mescal, *Agave utahensis*. Reprinted from *Grand Canyon Nature Notes*, July, 1929.

Haury, Loren R.

1981 19.4146 *Cladophora drift and planktonic crustaceans in the Colorado River: Lee's Ferry to Diamond Creek.* La Jolla, California: Scripps Institution of Oceanography, [1], 13, [11] pp.

Hawksworth, Frank G.

1952 19.2194 Unusual hosts for two southwestern mistletoes. *Plant Disease Reporter*, 36(6): 246.

1953 19.2195 The pycnial stage of *Cronartium filamentosum*. *Plant Disease Reporter*, 37(4): 246.

1961 19.4965 Dwarfmistletoe of ponderosa pine in the Southwest. *U.S. Department of Agriculture, Technical Bulletin 1246*, 112 pp. [Dwarf mistletoe.]

► Grand Canyon, see pp. 20, 21, 23, 26, 32, 36, 74, 87, 89, 94, 96, 112.

1967 19.6636 Distribution of ponderosa pine dwarf mistletoe on the South Rim of Grand Canyon, Arizona. *Plant Disease Reporter*, 51(12) (December): 1049-1051.

Hawksworth, Frank G., AND Wiens, Delbert

1994 19.736 Viscaceae —mistletoe family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 241-245.

1996 19.3186 Dwarf mistletoes: Biology, pathology, and systematics. *U.S. Forest Service, Agriculture Handbook 709*, 410 pp.

► Localities documented in "Specimens Examined" section.

Hays, Frank

1996 19.737 Habitat restoration team to the rescue! *Nature Notes* (Grand Canyon National Park), 12(1): 8.

1997 19.738 The American way; can native plants survive in national parks? *Canyon Constituent* (Grand Canyon National Park), (Fall): 2.

Haywood, Dennis D.; Wakeling, Brian F.; AND Miller, C. Richard

1997 19.739 Assessment of canopy closure projections by the PROGNOSIS model. *In:* Riper, Charles van, III, and Deshler, Elena T. (eds.), *Proceedings of the Third Biennial Conference of Research on the Colorado Plateau*. U.S. National Park Service, Transactions and Proceedings Series, NPS/NRNAU/NRTP-97/12, pp. 101-114.

► Kaibab National Forest, North Kaibab Ranger District.

He, Jun; Fandino, Richard A.; Halitschke, Rayko; Luck, Katrin; Köllner, Tobias G.; Murdock, Mark H.; Ray, Rishav; Gase, Klaus; Knaden, Markus; Baldwin, Ian T.; AND Schuman, Meredith C.

2019 19.6197 An unbiased approach elucidates variation in (*S*)-(+)-linalool, a context-specific mediator of a tri-trophic interaction in wild tobacco. *U.S. National Academy of Sciences, Proceedings*, doi:10.1073/pnas.1818585116 + Supplemental Information online (Appendix, 29 pp.; 3 datasets).

► "We used a genetic mapping population of wild tobacco, *Nicotiana attenuata*, originating from a cross of 2 natural accessions from Arizona and Utah, separated by the Grand Canyon, to dissect genetic variation controlling [volatile organic compounds]." (From the abstract.)

Heald, Weldon F.

1959 19.740 About flowers and plants. *In:* Wampler, Joseph, *Havasu Canyon : gem of the Grand Canyon.* Berkeley, California: Howell-North Press [privately published], pp. 43-48.

1981 19.741 About flowers and plants. *In:* Wampler, Joseph, *Havasu, a canyon home.* Berkeley, California: [no imprint], pp. 43-48.

Heckard, Lawrence R., AND Chuang, Tsan-Iang

1977 19.2907 Chromosome numbers, polyploidy, and hybridization in *Castilleja* (Scrophulariaceae) of the Great Basin and Rocky Mountains. *Brittonia*, 29(2) (April): 159-172.

Heil, Kenneth D., AND Porter, J. Mark

1994 19.6552 *Sclerocactus* (Cactaceae): A revision. *Haseltonia*, (2): 20-46.

2001 19.2021 Cactaceae cactus family, part five. *Pediocactus* Britt. & J. N. Rose and *Sclerocactus* Britt. & J. N. Rose. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 9-18.

Heinlein, Thomas A.; Covington, W. Wallace; Fulé, Peter Z.; Moore, Margaret M.; AND Smith, Hiram B.

2000 19.4487 Development of ecological restoration experiments in fire adapted forests at Grand Canyon National Park. *In:* Cole, David N., McCool, Stephen F., Borrie, William T., and O'Loughlin, Jennifer (compilers), Wilderness Science in a Time of Change Conference; Volume 5: Wilderness ecosystems, threats, and management; Missoula, Montana, May 23-27, 1999. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-15-Vol-5*, pp. 249-254.

► South and North Rims.

Heinlein, Thomas A.; Fulé, Peter Z.; Waltz, Amy E. M.; AND Springer, Judith D.

1999 19.4483 *Changes in ponderosa pine forests of the Mt. Trumbull Wilderness.* (W. Wallace Covington, principal investigator.) Flagstaff, Arizona: Northern Arizona University, College of Ecosystem Science and Management, School of Forestry, Ecological Restoration Program, *for* U.S. Bureau of Land Management, Arizona Strip District, 28 pp.

Heiser, Charles B., Jr.

1951 19.3777 The sunflower among the North American Indians. *American Philosophical Society, Proceedings*, 95(4): 432-448.

► Includes Havasupai sunflower.

Heller, A. A.

1898 19.3476 New and interesting plants from western North America.—IV. *Torrey Botanical Club, Bulletin*, 25(12) (December): 626-629.

1906 19.4655 Botanical exploration in California; season of 1906. *Muhlenbergia*, 2(2) (December 31): 177-268.

► See p. 231, synonymy of *Langloisia setosissima* (T. & G.) Greene; type of *Gilia setosissima* Gray noted from "mouth of Diamond river" (Diamond Creek).

1907 19.3655 (ED.) Compilations. *Muhlenbergia*, 3(5) (August 8): 83-88.

► Extracts from Gandoger (1906, ITEM NO. 19.3656). "Only the new forms described in [Gandoger's] paper are given here, followed by the page number. Geographical inaccuracies are corrected whenever evident." (p. 83). Grand Canyon, see *E. juncinellum* (p. 85) and *E. macdougalii* (p. 88).

Hermann, Frederick J.

1970 19.751 Manual of the carices of the Rocky Mountains and Colorado basin. *U.S. Forest Service, Agriculture Handbook 374*, 397 pp.

Hermann, Frederick J., AND Leese, B. M.

1956 19.2097 A grass (*Munroa squarrosa*) apparently cultivated by ants. *American Midland Naturalist*, 56(2) (October): 506-507.

► Locality noted as "about 18 miles east of Jacob Lake".

Hernández, L. F., AND Rosetti, M. V.

2016 19.5623 Is the abaxial palisade parenchyma in phyllaries of the sunflower (*Helianthus annuus* L.) capitulum a missing trait in modern genotypes? ¿Es el parénquima en empalizada abaxial en las filarias del capítulo del girasol (*Helianthus annuus* L.) un rasgo ausente en los genotipos modernos? *Φyton* [*Phyton*] (Revista Internacional de Botánica Experimental) (Fundacion Romulo Raggio, Vicente López, Bueno Aires, Argentina), 83: 291-296. [In English, with bilingual title and abstract.]

► Includes Havasupai variety.

Hernández Ledesma, Patricia

2011 19.6996 *Sistemática de* Mirabilis *L. (Nyctaginaceae).* Doctoral dissertation, Universidad Nacional Autónoma de México, 182 pp. [In Spanish.]

► See: *Mirabilis multiflora* (Torr.) A. Gray (pp. 91-95), representative specimens examined include, from Coconino County, "White Pockets, Kaibab Plateau, *Gooding 214-49* (ARIZ); 4 mi. below Hualapai Hilltop, Hualapai Canyon, Grand Canyon National Park, *Theroux 538* (ARIZ)[;] .3 mi SE of the Gap near Lee's Ferry-Cameron Road, *Cutler 3127* (GH); 5 miles above Supai wash, *Theroux 1713* (ARIZ)" and from Mohave County, "1.6 mi N of Peach Springs Wash, *Martin & Van Devender* (ARIZ); . . . Pocum Wash, ca. 18 mi W of Wolf Hole, near Cane Springs, *Mason et al. 2830* (ARIZ); SE Vulcan's Throne Toroweap, *Cottam 13025* US); between Hualapai Wash and junction of Pierce's Ferry Road with U. S. Hwy 466, *Ferris 9888* (GH); Mokiak Springs, 19 mi S of Saint George, *Gould 1625* (ARIZ); Toroweap Valley, Grand Canyon National Monument, *McClintock 52-301* (ARIZ); road Fredonia to Tuweap, about 2 mi NE of Grand Canyon National, [*sic*] *Deaver 6272* (ARIZ)".

Mirabilis albida (Walter) Heimerl (pp. 100-106), representative specimens examined include, from Coconino County, "Colorado River. River mi 2, *R. D. Suttkus 80-23-13* (ARIZ); Hualapai Canyon, Grand Canyon National Park, *Howell 26575* (CAS)".

Mirabilis linearis (Pursh) Heimerl (pp. 120-123), representative specimens examined include, from Coconino County, "3 mi E of Indian Hollow off FSR 232 Kaibab National Forest, *Ehlers 4657* (MEXU)".

Herrera Arrieta, Yolanda

1991 19.4379 *A biosystematic study of* Muhlenbergia montana *complex (Poaceae, Eragrostideae).* Master's thesis, McGill University, Montreal, 105 pp.

► Populations used for flavonoid analyses include:
Muhlenbergia filiculmis Vasey from "4 mi N Kaibab Lodge" and Jacob's Canyon Kaibab Plateau.
M. montana (Nutt.) Hitchc. from Jacob's Canyon, Kaibab Plateau; "Brink of North Rim, Kaibab Plateau"; and Dog Point Road, Kaibab Plateau.

Hester, J. Pinckney

1943 19.3779 Two new Opuntias from the Grand Canyon region in Arizona. *Cactus and Succulent Journal* (Cactus and Succulent Society of America), 15: 191-194.

► *Optunia hualpaensis*, new species, from on and near the Hualapai Indian Reservation
O. abyssi, new species, from Peach Springs Canyon.

Hevly, Richard H.

1961 19.752 Notes on the orchids of northern Arizona. *Plateau*, 33(3) (January): 83-87.

Hibbard, H. V.

1928 19.754 The geaster or earthstar. *Grand Canyon Nature Notes*, 3(3) (August 31): 2-3.

1994 19.755 The geaster, or earth star. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 56.

► Reprinted from *Grand Canyon Nature Notes*, August, 1928.

Higgins, Anna Marie

2011 19.4953 Mixed conifer regeneration following fires of mixed severities of the last eleven years in Grand Canyon National Park [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 17.

2011 19.4041 *The effects of burn entry and burn severity on stand structure and composition in Grand Canyon National Park.* Master's thesis, Northern Arizona University, 117 pp.

Higgins, Anna M.; Waring, Kristen M.; AND Thode, Andrea E.

2012 19.6534 The effects of burn entry and burn severity on stand structure and composition in Grand Canyon National Park [ABSTRACT]. *In: Southwest Fire Science Consortium : Southwest Fire Ecology Conference : "Fire Landscapes, Wildlife and People" : Santa Fe, New Mexico, Feburary 27-March 1, 2012*, p. 106.

► Grand Canyon North Rim.

2015 19.4722 The effects of burn entry and burn severity on ponderosa pine and mixed conifer forests in Grand Canyon National Park. *International Journal of Wildland Fire*, 24(4): 495-506.

Higgins, Bruce J., AND Kleindienst, Holly P.

2013 19.4264 *Kaibab National Forest : vegetation and fire specialist report : forest plan revision, FEIS.* [No place]: U.S. Forest Service, Southwestern Region, 56 pp. [Final Environmental Impact Statement.]

Higgins, Larry C.

1974 19.4344 *Cryptantha atwoodii* (Boraginaceae); a new species from Arizona. *Southwestern Naturalist*, 19(2) (July 26): 127-130.

► Known only from the type locality on U.S. Route 89 near The Gap, 7 miles north of junction of highway 89 with Arizona Route 164 (*sic*, 64).

Hildebrand, Terri

2010 19.6538 *Annotated vascular plant database and pulbication for Grand Canyon-Parashant National Monument—Phase II: 2010 progress and herbarium report.* Cedar City, Utah: Southern Utah University, *for* Colorado Plateau Cooperative Ecosystems Study Unit. (Cooperative Agreement H1200-09-0005.)

Hildebrand, Terri, AND Fertig, Walter

2012 19.6539 *Annotated checklist of the vascular plant flora of Grand Canyon-Parashant National Monument : Phase II report.* Cedar City, Utah: Southern Utah University, and Kanab, Utah: Moenave Botanical Consulting, *for* Grand Canyon-Parashant National Monument, Southern Utah University, and National Park Service Mojave Network, 213 pp. (Colorado Plateau Cooperative Ecosystems Studies Unit, Cooperative Agreement H1200-09-0005.)

► "Phase I of this project focused on confirming identifications and standardizing nomenclature for vascular plant specimens housed in the PARA herbarium in St. George, Utah, as well as relevant collections from the BLM Arizona Strip Field Office (ASD), Northern Arizona University (ASC), and Brigham Young University (BRY). This resulted in a preliminary checklist of the PARA flora that was annotated to include information on synonymy, abundance, growth form, and geographic distribution" (p. 4) [see Fertig (2010, ITEM NO. 19.6540).

Hill, Mar-Elise

2005 19.2541 *Vascular flora of Glen Canyon National Recreation Area, Utah and Arizona.* Master's thesis, Northern Arizona University, 244 pp.

Hill, Mar-Elise, AND Ayers, Tina

2006 19.5696 *Vascular plant inventory of Glen Canyon National Recreation Area.* Fort Collins, Colorado: U.S. National Park Service, Natural Resource Program Center, SEPARATELY PAGINATED SECTIONS [120 pp. total]. (Natural Resource Technical Report NPS/SCPN/NRTR-2009/264.)

► Includes Lees Ferry area.

Hills, L.

1929 19.760 Mariposa lily. *Grand Canyon Nature Notes*, 3(12): 1.

Hinchman, Virginia H. *see also* Birkeland, Ginger Hinchman

1993 19.6375 *Relationships between vegetation and alluvial channel deposits, Little Colorado River, Arizona.* Master's thesis, Arizona State University, 106 pp.

► Lower Little Colorado River.

Hitchcock, A. S. [Hitchcock, Albert Spear]

1905 19.4360 North American species of *Agrostis*. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 68*, 68 pp., 37 plates.

► See pp. 24-25, *Agrostis stolonifera* L.; specimens noted include "Arizona: Grand Canyon, *Leiberg* 5947" (ENTIRE NOTE).

1920 19.6213 The North American species of *Chaetochloa*. *U.S. National Herbarium, Conitributions*, 22(3): 155-208.

► See *Chaetochloa macrostachya* (H. B. K.) Scribn. & Merr. (pp. 204-207). Distributional notes include "Grand Canyon, *Leiberg* 5938" (ENTIRE NOTE).

1935 19.3345 Manual of the grasses of the United States. *U.S. Department of Agriculture, Miscellaneous Publication 200*, 1040 pp.

► Includes records from Kaibab Plateau and Grand Canyon vicinity.

Hitchcock, Ann

2011 19.6209 NPS herbaria go global (virtually). *In: Rethinking Protected Areas in a Changing World : proceedings of the 2011 George Wright Society Conference on Parks, Protected Areas, and Cultural Sites*, pp. 142-147.

► See p. 142, Grand Canyon National Park Herbarium note as a participating partner in the Southwest Environmental Information Network (SEINet).

Hitchcock, C. Leo

1941 19.1935 A revision of the drabas of western North America. *University of Washington, Publications in Biology*, Volume 11, 132 pp.

► *Draba* (Brassicaceae). See p. 49 and possibly others.

Hitchner, M.; Jackson, S.; Ritchie, M.; AND Miotke, J.

2022 19.6833 Using NASA Earth observations to monitor and model juniper woodland mortality in Grand Canyon National Park [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 80.

Hobbs, Richard J., AND Streit, Bruno

1986 19.761 Heavy metal concentrations in plants growing on a copper mine spoil in the Grand Canyon, Arizona. *American Midland Naturalist*, 115(2): 277-281.

► Last Chance Mine, Grandview Trail.

Hochstätter, Fritz

1993 19.6961 Het geslacht Sclerocactus; een revisie 2. *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 72(1) (February): cover [legend on p. 48], 19-34. [In Dutch.]

► See: *Sclerocactus parviflorus* Clover & Jotter 1941 (pp. 19-27) with distribution map (p. 23) indicating its Arizona presence only close to the entire Utah-Arizona boundary (north of Grand Canyon). *S. havasupaiensis* Clover 1942 is listed in synonymy.

Sclerocactus whipplei (Engelmann & Bigelow) Britton & Rose 1922 (pp. 27-31), with note (p. 31) on an occurrence at House Rock Valley identified by Benson as *S. spinosior* but which should be referred to *S. whipplei*.

1993 19.6962 Nieuwe combinaties in het geslacht Sclerocactus. *Succulenta Verenigingsnieuws* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), (February): 38-44. [In Dutch.]

► See: *Sclerocactus parviflorus* Clover & Jotter ssp. *havasupaiensis* (Clover) Hochstätter, new combination (pp. 38-40)

Sclerocactus whipplei (Engelmann & Bigelow) Britton & Rose ssp. *busekii* (Heil & Porter) Hochstätter *nom. prov.* (Busek's cactus) (pp. 40-42), noting occurrences in House Rock Valley.

1995 19.3781 *The genera* Pediocactus—Navajoa—Toumeya *: revised : in the shadow of the Rocky Mountains.* (Chris Holland, translator.) Mannheim, Germany: Fritz Hochstätter, 168 pp.

► See: "XVIII, Supplement 1 stop press: Sclerocactus News. In an Indian reservation a rediscovery—a new subspecies from the Havasupai Canyon, Arizona, *Sclerocactus parviflorus* Clover & Jotter ssp. *havasupaiensis* (Clover) Hochstatter 1995", pp. 130-131

"A new subspecies from House Rock Valley, Arizona, *Sclerocactus whipplei* (Englemann & Bigelow) Britton & Rose ssp. *busekii* Hochstatter 1995", pp. 132-134.

1995 19.6222 Die Gattung *Navajoa*. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 46(5) (May): 113-119. [In German.]

► Includes Grand Canyon region.

1996 19.6860 The genus *Sclerocactus* (Cactaceae)—Part 2. (Chris Holland, translator.) *British Cactus and Succulent Journal*, 14(2) (June): 76-84. [Part 1 is extralimital to this bibliography.]

► Includes: *Sclerocactus parviflorus* Clover & Jotter ssp. *havasupaiensis* (Clover) Hochstätter (pp. 77-80, 82)

S. whipplei (Engelmann & Bigelow) Britton & Rose ssp. *busekii* Hochstätter (pp. 80-84).

1999 19.7002 Darstellung der Gattung *Sclerocactus* / Teil 1. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 50(5) (May): 115-119. [In German.]

► Within the area pertinent to this bibliography includes distributional notes for *Sclerocactus parviflorus* ssp. *havasupaiensis* and *S. whipplei* ssp. *busekii*.

2001 19.5210 Het geslacht *Yucca* (Agavaceae). 8. Serie Baccatae (soorten met vlezige vruchten). (Henk Viscaal, translator.) *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 80(1) (February 1): 166-173. [In Dutch.]

► Includes: *Yucca baccata* Torr. ssp. *baccata* ["Yucca baccata Torreyi ssp. baccata", *lapsus*] in Grand Canyon and vicinity
Y. b. ssp. *vespertinia* (McKelvey) Hochstätter, new status, in Grand Canyon and vicinity and the upper portion of the lower Colorado River region.

2007 19.6603 Het geslacht Sclerocactus (4). *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 86(1) (February): cover, 34-38 (cover legend on p. 48). [In Dutch.]

► Includes *Sclerocactus parviflorus* subspecies *parviflorus* Clover & Jotter.

2007 19.6604 Het geslacht Sclerocactus Britton & Rose (2). *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 86(4) (August): 150-155. [In Dutch.]

► Includes *Sclerocactus parviflorus* Clover & Jotter subspecies *havasupaiensis* (Clover) Hochstätter (pp. 150-152).

2015 19.5139 *Agave* Linné *(Agavaceae).* Mannheim, Germany: Fritz Hochstätter, SEPARATELY PAGINATED SECTIONS [433 pp. total]. [In German.]

► See: *Agave phillipsiana* Hodgson, Grand Canyon agave (Abschnitt III, pp. 7-8)
Agave utahensis ssp. *kaibabensis* (McKelvey) Gentry, Kaibab agave (Abschnitt IX, p. 17).

Hodgson, Wendy C.

1996 19.6143 Field work and leg work; finding a new species. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 50(4) (December): 10-11.

► Discovery of new species of agave in Grand Canyon, thus far not named. (See Hodgson, 2001, ITEM NO. 19.2250, where it is named as *Agave phillipsiana*.)

1999 19.1936 Agavaceae; agave family, Part One, *Agave* L.; century plant; maguey. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 1-21.

2001 19.2250 Taxonomic novelties in American *Agave* (Agavaceae). *Novon*, 11(4) (Winter): 410-416.

► Includes *Agave phillipsiana*, new species, from Grand Canyon (pp. 410-413); type from Clear Creek, paratypes from Deer Creek and Clear Creek.

2005 19.2536 (RESEARCHER) Century plant, Agave. *Boatman's Quarterly Review*, 18(3) (Fall): 10-11.

2008 19.5157 North Rim PAPAZ (Plant Atlas Program of Arizona) adventure. *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 9.

2012 19.3511 Kanab Canyon and its tributaries. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 13.

Hodgson, Wendy C., AND Salywon, Andrew M.

2014 19.5459 Desert Botanical Garden Herbarium (DES) Phoenix. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 8-9.

2015 19.4888 Desert Botanical Garden's herbarium collections are critical to biodiversity study. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 69(4) (December): 12-16.

Hodgson, Wendy C., AND Slauson, Liz

2014 19.4519 The botany of biodiversity. *In:* Nelson, Matthew J., and the Arizona Trail Association, *Your complete guide to the Arizona National Scenic Trail.* Birmingham, Alabama: Wilderness Press, pp. 19-35.

Hoff, Emily, AND Keller, Maygen

2020 19.6521 *Scenic science of the national parks : an explorer's guide to wildlife, geology, and botany.* (Illustrations by Jillian Barthold.) California, and New York: Ten Speed Press (Random House, New York), 346 pp.

▶ See "Grand Canyon", pp. 85-92.

[In the following citations, the spelling of Queen's given name is properly LLoyd, as confirmed from University of Montana FireCenter staff webpage, 2019.]

Hoff, Valentijn; Teske, Casey C.; Riddering, James P.; AND Queen, Lloyd P. [Queen, LLoyd]

2013 19.5430 Changes in severity distribution after subsequent fires on the North Rim of the Grand Canyon [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], pp. 72-73.

Hoff, Valentijn; Teske, Casey C.; Riddering, James P.; Queen, Lloyd P. [Queen, LLoyd]**; Gdula, Eric G.; AND Bunn, Windy A.**

2014 19.4662 Changes in severity distribution after subsequent fires on the North Rim of Grand Canyon National Park, Arizona, USA. *Fire Ecology*, 10(2) (August): 48-63.

Hoff, Valentijn; Rowell, Eric; Teske, Casey; Queen, LLoyd; AND Wallace, Tim

2019 19.6181 Assessing the relationship between forest structure and fire severity on the North Rim of the Grand Canyon. *Fire* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 2(1) (March) (10), doi:10.3390/fire2010010, 22 pp.

Hoffman, Christ W.; Mathiasen, Robert L.; Hofstetter, Richard W.; Fairweather, Mary Lee; Shaw, John D.; Hanna, John W.; AND Klopfenstein, Ned B.

2014 19.4658 Survey for *Armillaria* by plant associations in northern Arizona. *Arizona-Nevada Academy of Science, Journal*, 45(2): 76-86.

Hogan, Phyllis

2013 19.3800 Sacred plants and secret places of the Grand Canyon. *In: Southwest Conference on Botanical Medicine : lecture notes : April 12-14, 2013 : Southwest College of Naturopathic Medicine and Health Sciences.* Ashland, Oregon: Herbal Education Services, pp. 74-77.

Hoglander, Cerissa

2015 19.4859 Strengthening adaptive capacity at a landscape scale: developing climate adaptation actions on the North Rim Ranches in Northern Arizona [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 42.

▶ Kane Ranch, Two Mile Ranch.

2016 19.5453 *North Rim Ranches : climate change adaptation plan.* Flagstaff, Arizona: Grand Canyon Trust, 78 pp.

▶ Kane Ranch, Two Mile Ranch.

2017 19.5846 Climate adaptive planning and action on the Grand Canyon's North Rim: Building adaptive capacity through springs ecosystem restoration [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 74.

2019 19.6281 Collaborative conservation: updates from the Kane and Two Mile Research and Stewardship Partnership [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 56.

▶ Kane Ranch, Two Mile Ranch.

2019 19.6282 Collaborative climate adaptation: riparian restoration on northern Arizona's public lands [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 56-57.

Holiday, Suan, AND Perez, Abril

2001 19.2022 Fumariaceae fumitory family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 27-30.

Holigay, Tanya

2003 19.2363 Why are the trees orange? *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 1-2.

▶ Bark beetle infestation.

Holmgren, Arthur H., AND Holmgren, Noel H.

1988 19.2102 *Euphorbia aaron-rossii* (Euphorbiaceae), a new species from Marble and Grand Canyons of the Colorado River, Arizona. *Brittonia*, 40(4) (October/December): 357-362.

Holmgren, Noel H.

1973 19.1937 Five new species of *Castilleja* (Scrophulariaceae) from the Intermountain Region. *Torrey Botanical Club, Bulletin*, 100(2): 83-93.

► Includes *Castilleja kaibabensis*; type from "Kaibab Plateau, V T Meadows, 6.5 km south of Kaibab Lodge, T.34 N., R.3 E., Sec. 7".

2004 19.5104 Lectotypifications and new combinations in North American Brassicaceae. *Brittonia*, 56(3) (August 2): 245-248.

► See p. 247: *Physaria kaibabensis* (Rollins) N. H. Holmgren, comb. nov. [new combination for *Lesquerella kaibabensis* Rollins; see Rollins (1982, ITEM NO. 19.3971)
Thelypodium integrifolium (Nutt.) Endl. var. *longicarpum* (Al-Shehbaz) N. H. Holmgren, stat. and comb. nov. [new status and new combination for *T. integrifolium* subsp. *longicarpum* Al-Shehbaz; see Al-Shehbaz (1973, ITEM NO. 19.5105)].

Holmgren, Noel H., AND Holmgren, Patricia K.

2002 19.4670 New mentzelias (Loasaceae) from the Intermountain Region of western United States. *Systematic Botany*, 27(4) (October/December): 747-762.

► See *Mentzelia memorabilis* N. H. Holmgren & P. K. Holmgren, new species (pp. 753-756); type locality "Mohave Co., Uinkaret Plateau, just N of the Navajo Trail Road, 1.1 km W of the Clayhole Wash crossing, 27.5 km air distance SSW of Colorado City". (Note remarks on p. 755, regarding serendipitous field collection and etymology, species named "in memory of those who lost their lives in the terrorist attack of September 11, and in tribute to the many heroes of that day and in those days following.")

Holt, Kevin

2009 19.4251 *Kaibab National Forest plan revision collaborwriting meeting : grasslands : Flagstaff, Arizona, December 14, 2009, meeting report.* Phoenix: intelliMeet, [*for* U.S. Forest Service, Kaibab National Forest], 8 pp.

2009 19.4252 *Kaibab National Forest plan revision collaborwriting meeting : aspen : Flagstaff, Arizona, December 17, 2009, meeting report.* Phoenix: intelliMeet, [*for* U.S. Forest Service, Kaibab National Forest], 11 pp.

2010 19.4250 *Kaibab National Forest plan revision collaborwriting meeting : mixed conifer : Flagstaff, Arizona, February 2, 2010, meeting report.* Phoenix: intelliMeet, [*for* U.S. Forest Service, Kaibab National Forest], 16 pp.

Hood, Sharon M.

2010 19.3237 Mitigating old tree mortality in long-unburned, fire-dependent forests: A synthesis; a summary of knowledge from the Joint Fire Science Program. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-238*, 71 pp.

► Grand Canyon, pp. 36, 41, 57.

Hosford, Holly

2000 19.3019 The effect of sunlight exposure on vegetation in selected sloped areas of the Grand Canyon, Arizona [ABSTRACT]. *Pennsylvania Geographical Society and Middle States AAG Annual Meetings, Wilkes-Barre, Pennsylvania, October 19-21, 2000 : abstracts.* [Association of American Geographers.]

Houk, Rose

1993 19.781 The magnificent ponderosa. *Plateau*, 64(2): 1-32 [entire number].

Howard, L. O. [Howard, Leland O.]

1922 19.5905 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "Grand Canyon-Kaibab Control Project", p. 24.

1924 19.5906 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Insects Affecting Forest Resources and Shade Trees"; specifically, "The Kaibab Control Project", p. 25.

1925 19.5907 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigation and Control of Western Bark Beetles"; specifically, "The Kaibab control project", p. 30.

1926 19.5908 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "The Kaibab National Forest and Grand Canyon National Park", p. 25.

1927 19.5909 Report of the Entomologist. *In: U.S. Department of Agriculture, Annual Report.* Washington, D.C.: U.S. Government Printing Office.

► Seen as a separate. See under "Investigations of Insects Affecting Forest and Shade Trees"; specifically, "Western Bark Beetles" (p. 25), with brief note of Kaibab National Forest.

Howe, Marisa M.

2001 19.2103 *Effects of regulation on the wetland seed bank along the Colorado River in Grand Canyon.* Master's thesis, Northern Arizona University, 54 pp.

Howell, John Thomas

1943 19.2104 Studies in *Phacelia*—a revision of species related to *P. pulchella* and *P. rotundifolia*. *American Midland Naturalist*, 29(1) (January): 1-26.

1943 19.2197 Plantae occidentales—III. *Leaflets of Western Botany*, 3(9): 205-208.

Hreha, Alyce M.

1978 19.789 *A comparative distribution of two mistletoes:* Arceuthobium divaricatum *and* Phoradendron juniperinum *(South Rim, Grand Canyon National Park, Arizona).* Master's thesis, Brigham Young University, Provo, Utah, 62 pp.

Hreha, Alyce M., AND Meyer, Therese B.

2001 19.4983 Five-year monitoring study of Siler's pincushion cactus (*Pediocactus sileri*) in Kane County, Utah. *In:* Maschinski, Joyce, and Holter, Louella (technical coordinators), Southwestern Rare and Endangered Plans: Proceedings of the Third Conference, September 25-28, 2000, Flagstaff, Arizona. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-23*, pp. 83-94.

▶ Study area at Muggins Flat, *ca.* 10 miles southeast of Kanab.

Hreha, Alyce M., AND Weber, Darrell J.

1979 19.790 Distribution of *Arceuthobium divaricatum* and *Phoradendron juniperinum* (Viscaceae) on the South Rim of Grand Canyon, Arizona. *Southwestern Naturalist*, 24(4) (December): 625-636.

Huang, Cho-Ying; Asner, Gregory P.; Martin, Roberta E.; Barger, Nichole N.; AND Neff, Jason C.

2009 19.3575 Multiscale analysis of tree cover and aboveground carbon stocks in pinyon-juniper woodlands. *Ecological Applications*, 19(3) (April): 668-681.

Huffman, David W.; Crouse, Joseph E.; Sánchez Meador, Andrew J.; Springer, Judith D.; AND Stoddard, Michael T.

2018 19.5689 Restoration benefits of re-entry with resource objective wildfire on a ponderosa pine landscape in northern Arizona, USA. *Forest Ecology and Management*, 408 (January 15): 16-24.

▶ Kaibab National Forest.

Huffman, David W.; Fulé, Peter Z.; Parson, Kristen M.; AND Crouse, Joseph E.

2008 19.6053 Fire history of pinyon-juniper woodlands at upper ecotones with ponderosa pine forests in Arizona and New Mexico. *Canadian Journal of Forest Research*, 38: 2097-2108.

▶ One of two study sites is on Tusayan Ranger District, Kaibab National Forest, "immediately south of Grand Canyon National Park".

Huffman, David W.; Stoddard, Michael T.; Fulé, Peter Z.; Covington, W. Wallace; AND Smith, H. B.

2008 19.3860 A demonstration project to test ecological restoration of a pinyon-juniper ecosystem. *In:* Gottfried, Gerald J., Shaw, John D., and Ford, Paulette L. (compilers), Ecology, management, and restoration of piñon-juniper and ponderosa pine ecosystems:

Combined proceedings of the 2005 St. George, Utah and 2006 Albuquerque, New Mexico workshops. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-51*, pp. 121-133.

► Grand Canyon-Parashant National Monument, near Mount Trumbull; Craig Ranch and Goose Ponds sites.

Hughes, Lee E.

1993 19.5260 "The devil's own"—tamarisk. *Rangelands*, 15(4) (August): 151-155.

► Arizona Strip.

1996 19.4806 History, observations and monitoring of *Pediocactus peeblesianus* var. *fickeiseniae* on the Arizona Strip. *Desert Plants*, 12(1) (June): 15-22.

2001 19.4634 Monitoring update on four listed plants on the Arizona Strip. *In:* Maschinski, Joyce, and Holter, Louella (technical coordinators), Southwestern Rare and Endangered Plans: Proceedings of the Third Conference, September 25-28, 2000, Flagstaff, Arizona. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-23*, pp. 78-82.

► *Pediocactus sileri* (Engelm.) L. Benson; *P. bradyi* L. Benson; *Asclepias welshii* N. & P. Holmgren; *Cycladenia humilis* Benth. var. *jonesii* Welsh & Atwood.

2004 19.5254 Ponderosa pine undergrowth restoration on the Arizona Strip. Logging and thinning the forest is a straight out deal. Its coming to a consensus on what the understory vegetation needs to be that gets sensitive. *Rangelands*, 26(1) (February): 23-27.

► Mount Trumbull Resource Conservation Area.

2005 19.5091 Brady pincushion cactus. *Desert Plants*, 21(2): 13-20.

► *Pediocactus bradyi* Benson.

2009 19.4984 Monitoring update on five listed plants and one candidate species on the Arizona Strip. *Desert Plants*, 25(1): 27-34.

► *Pediocactus sileri* (Engelm.) L. Benson; *P. bradyi* L. Benson; *P. peeblesianus* var. *fickeiseniae*; *Asclepias welshii* N. & P. Holmgren; *Cycladenia humilis* Benth. var. *jonesii* Welsh & Atwood; *Astragalus holmgreniorium* (names as given in paper). [*Pediocactus peeblesianus* (Croizat) L. D. Benson subsp. *fickeiseniae* (Backeberg ex Hochstäter) Lüthy.]

2010 19.3515 Six new plants on the Arizona Strip, and an old plant, now of interest. *The Plant Press* (Arizona Native Plant Society), 34(2) (Winter 2010/2011): 12.

► New species *Phacelia higginsii*, *P. hughesii*, *P. furnissii*, *Sphaeralcea gierischii*, *Mentzelia memorabilis*, *Camissonia dominguez-escalantorum*, and *Tetradymia canescens* var. *thorneae*; and species of interest *Crypthantha semiglabra*. *NOTE*: The article contains misspellings.

2013 19.4988 Listed (Endangered or Threatened or Candidate) plan update on the Arizona Strip. *In:* ZoBell, Dale (ed.), *35th Annual Range Livestock Workshops : Arizona/Utah : April 9, 2013, KCNEC/Carroll Arena, Oderville, UT; April 10, 2013, Washington County Fairgrounds, Hurricane, UT; April 11, 2013, West desert tour*, pp. 10-19.

2017 19.5719 Plant species diversity, drought, and a grazing system on the Arizona Strip. *Rangelands*, 39(1): 20-27.

Huisinga, Kristin D.

2002 19.2198 GC plant guide. *Boatman's Quarterly Review*, 15(1) (Spring): 33.

► Request for information for proposed book.

2007 19.2748 Western honey mesquite: The desert's provider. *Grand Canyon River Runner*, (5) (Fall): 10.

Huisinga, Kristin D., AND Ayers, Tina J.

1999 19.1938 Plantaginaceae; plantain family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 62-76.

Huisinga, Kristin D.; Makarick, Lori; AND Watters, Kate

2006 19.2619 *River and desert plants of the Grand Canyon.* (Foreword by Ann Zwinger.) Missoula, Montana: Mountain Press Publishing Co., 261 [264] pp.

Huisinga, Kristin D.; McGlone, C. M.; Laughlin, D. C.; Fulé, P. Z.; AND Springer, J. D.

2005 19.2624 Effects of an intense prescribed fire on understory vegetation in a mixed conifer forest. *Torrey Botanical Society, Journal*, 132(4): 590-601.

► North Rim, Grand Canyon.

Huisinga, Kristin D.; Watters, Kate; AND Makarick, Lori

2002 19.2327 A Colorado River plant guide. *Boatman's Quarterly Review*, 15(3) (Fall): 11.

► Request for information for proposed book.

2003 19.2382 Hello plant lovers! *Boatman's Quarterly Review*, 16(2) (Summer): 3. [Item signed "Kristin, Kate and Lori, 'The Charlie's Angels of Botany'".]

Hultine, Kevin R.; Allan, Gerard J.; Blasini, Davis; Bothwell, Helen M.; Cadmus, Abraham; Cooper, Hillary F.; Doughty, Chris E.; Gehring, Catherine A.; Gitlin, Alicyn R.; Grady, Kevin C.; Hull, Julia B.; Keith, Arthur R.; Koepke, Dan F.; Markovchick, Lisa; Parker, Jackie M. Corbin; Sankey, Temuulen T.; AND Whitham, Thomas G.

2020 19.6484 Adaptive capacity in the foundation tree species *Populus fremontii*: implications for resilience to coimate change and non-native species invasion in the American Southwest. *Conservation Physiology*, 8: doi:10,1093/conphys/coaa061, 16 pp.

Hultine, Kevin R.; Bean, Dan W.; Dudley, Tom L.; AND Gehring, Catherine A.

2015 19.5261 Species introductions and their cascading impacts on biotic interactions in desert riparian ecosystems. *Integrative and Comparative Biology*, 55(4): 587-601.

Humphrey, Robert R.

1953 19.3813 Forage production on Arizona ranges. III. Mohave County. *University of Arizona, Agricultural Experiment Station, Bulletin 244*, 79 pp., map.

1956 19.3814 Forage production on Arizona ranges. III. Mohave County. *University of Arizona, Agricultural Experiment Station, Bulletin 244 (reprint)*, 77 pp. [Text reset.]

1958 19.3820 Arizona range grasses; description—forage value—management. (Drawings by Lucretia B. Hamilton.) *University of Arizona, College of Agriculture, Agricultural Experiment Station, Bulletin 298*, 104 pp.

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Imada, Shogo; Taniguchi, Takeshi; Iwanaga, Fumiko; Acharya, Kumud; Yamamoto, Fukuju; AND Yamanaka, Norikazu
[今田 省吾; 谷口 武士; 岩永 史子; ACHARYA Kumud; 山本 福壽; そして 山中 典和]

2014 19.5262 外来種と植生管理」 北米大陸におけるアジア由来の侵略的木本外来種の現状—アメリカ合衆国西部乾燥地域のタマリスク [gairai-shu to shokusei kanri' Hokubei tairiku ni okeru Ajia yurai no shinryaku-teki mokuhon gairai-shu no genjō — amerikagasshūkoku seibu kansō chiiki no tamarisuku] [Alien species and vegetation management "Current status of invasive woody alien species from Asia in North American continent—Tamarisk in the western dry area of the United States]. 日本緑化工学会誌 [Nihonryokka-kō gakkaishi] [*Japanese Society of Revegetation Technology, Journal*], 40(2): 331-339. [In Japanese, with bilingual title and abstract.]

► In the Japanese-orthography authors list, the mixing of Japanese and Roman orthography is as published. Article title as given in English-language abstract is: "Invasive woody species, tamarisk (*Tamarix* spp.) in arid regions of the western United States: a review of current knowledge". Serial title in English as expanded from abbreviated form in article banner.

Inch, Deb, AND Blinn, Dean W.

1981 19.796 Limnology of Little Park Lake and diatom distribution on the Kaibab Plateau, Arizona. *Arizona-Nevada Academy of Science, Journal*, 16(1): 14-21.

Industrial Economics, Inc.

2013 19.6867 *Economic analysis of critical habitat designations for three Arizona plants : Draft : February 22, 2013.* Cambridge, Massachusetts: Industrial Economics, Inc., *for* U.S. Fish and Wildlife Service, Arlington, Virginia, SEPARATELY PAGINATED SECTIONS [143 pp. total].

► Includes Fickeisen plains cactus (*Pediocactus peeblesianus* var. *fickeiseniae*) of the Grand Canyon region, and Gierisch mallow (*Sphaeralcea gierischii*) of the Arizona-Utah boundary in northwestern Arizona. (The third plant is the acuña cactus of southern Arizona, extralimital to this bibliography.)

Ingersoll, Ernest

1905 19.4542 Plant life in the desert. *Harper's Monthly Magazine*, 110 (March): 577-583.

► See photo, p. 578, "Vegetation in the Grand Canyon of the Colorado, Arizona. The cactus is an Echinocereus, and the shrub behind it Ephedra Nevadensis."

1905 19.4543 How desert plants get their water. The Literary Digest (New York), 30(12) (March 25): 431.

► Refers to article in *Harper's Monthly Magazine* (Ingersoll, 1905, ITEM NO. 19.4542). See photo, p. 431, "Vegetation in the Grand Canyon of the Colorado, Arizona. The cactus is an Echinocereus, and the shrub behind it Ephedra Nevadensis."

J

Jackson, Heather Bird; Leavitt, Steven D.; Krebs, Thomas; AND St. Clair, Larry L.

2005 19.5093 Lichen flora of the eastern Mojave Desert: Blackrock Arizona, Mojave County, Arizona, USA. *Evansia*, 22(1): 30-38.

► Item title thus. Study area "in the general vicinity of Blackrock road, 1.6 km south of the Utah-Arizona border, Mojave [*sic*] County, Arizona" (p. 32). Black Rock Road, Black Rock, Mohave County, Arizona.

Jackson, Loretta

1996 19.798 Granite Park; the sand, the wind, and the willow. *Boatman's Quarterly Review*, 9(3): 14.

Jackson, Loretta; Osife, Cynthia; AND Phillips, Arthur M., III

1997 19.799 Effects of Colorado River test flow experiment on Hualapai and Southern Paiute traditional ethnobotanical resources. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint; convenor information from separate proceedings volume], pp. 94-95.

Jackson, Stephen T., AND Smith, Susan J.

1994 19.2105 Pollen dispersal and representation on an isolated, forested plateau. *New Phytologist*, 128(1) (September): 181-193.

► Kaibab Plateau.

Jacobsen, Janet

2024 19.6952 Weeding the Grand Canyon. *The Obsidian Bulletin* (Obsidians, Eugene, Oregon), 84(8) (September): 5.

► Summary of the article of the same title by Melissa Sevigny in *National Parks* (2024, ITEM NO. 19.6951).

Jahrsdoerfer, Sonja

1990 19.6638 Endangered and Threatened wildlife and plants; determination of Endangered status for the plant Astragalus cremnophylax var. cremnophylax (sentry milk-vetch). *Federal Register*, 55(234) (December 5): 50184-50187. [Final rule.]

► "This plant is known from a single site on the South Rim of Grand Canyon National Park. The entire population consists of fewer than 500 plants. The plant is endangered by previous trambling by park visitors and degradations of habitat. This actino will implement Federal protection provided by the Act for sentry milk-vetch. Critical habitat is not being designated."

Jalbert, Linda M., AND Heim, Meg [Heim, Margaret L.]

1993 19.800 Rehabilitation of sites along the Colorado River through Grand Canyon National Park [ABSTRACT]. *In:* Tellman, Barbara, Cortner, Hanna J., Wallace, Mary G., DeBano, Leonard F., and Hamre, R. H. (Technical Coordinators), Riparian Management: Common Threads and Shared Interests, a western regional conference on river management strategies, February 4-6, 1993, Albuquerque, New Mexico. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-226*, p. 192.

► Revegetation.

James, George Wharton

1905 19.4966 Tree growth at the Grand Canyon. *The Four-Track News* (New York), 9(4) (October): 299.

Jameson, Donald A.

1965 19.801 Arrangement and growth of pinyon and one-seed juniper trees. *Plateau*, 37(4) (Spring): 121-127.

► See also Ffolliott and Gottfried (2002, ITEM NO. 19.4622).

1969 19.802 Rainfall patterns on vegetation zones in northern Arizona. *Plateau*, 41: 105-111.

Jameson, Donald A.; Williams, John A.; AND Wilton, Eugene W.

1962 19.803 Vegetation and soils of Fishtail Mesa, Arizona. *Ecology*, 43(3) (July): 403-410.

Janeba, Zlatko

2008 19.2867 *Agavei utahensis. Cactus and Succlent Journal*, 80(6) (November): 299-303.

2013 19.4350 Travel with the cactus expert (7). *The Cactus Explorer* (The Cactus Explorers Club, Ketton, Stamford, United Kingdom), (8) (May 23): 35-40.

► House Rock Valley (principally), Vermilion Cliffs, and Kaibab Plateau.

2013 19.4429 Travel with the cactus expert (8). *The Cactus Explorer* (The Cactus Explorers Club, Ketton, Stamford, United Kingdom), (9) (August): 42-47.

► Painted Desert vicinities; near Lees Ferry, The Gap, Little Colorado River Overlook west of Cameron.

Jemison, George M.

1967 19.4031 Impacts of recreation on the ecology of temperature North American forests. *In:* Vers un nouveau type de relations entre l'homme et la nature en région tempérée. Towards a New Relationship of Man and nature in Temperate Lands. Part I. Impact écologique du développement des loisirs et du tourisme sur les habitats en région tempérée / Ecological impact of recreation and tourism upon temperate environments. Union Internationale pour la Conservation de la Nature et de ses Ressources, Dixième réunion technique tenue à Lucerne du 26 au 30 juin 1966, conjointement avec la Neuvième Assemblée Générale de l'Union / International Union for Conservation of Nature and Natural Resources, Tenth Technical Meeting held at Lucerne, from 26 to 30 June 1966, in conjunction with the Union's Ninth General Assembly. Procès-verbaux et rapports / Proceedings and Papers. *Union Internationale pour la Conservation de la Nature et de ses Ressources, Publications* (Morges, Switzerland), New Series, (7): 173-185. [Article is in English.]

► Kaibab Plateau, see p. 180.

Jensen, Ahsa

2015 19.4824 Meet NPS native plant specialist Ahsa Jensen. *Canyon Views* (Grand Canyon Association), 22(4) (November): 5.

► Quoted remarks, with editor's introductory paragraph.

2017 19.5849 Grand Canyon National Park high-elevation restoration: choosing the right plant for the right place [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 83.

Johnson, Craig; Timmons, Michael; AND Corballis, Colleen

2009 19.3875 (PRINCIPAL INVESTIGATOR, CO-INVESTIGATOR, GRADUATE RESEARCH ASSISTANT) *Pipe Spring National Monument Vegetation Management Plan Phase I alternative actions.* [Logan, Utah]: Utah State University, Department of Landscape Architecture and Environmental Planning, 53 pp. ("Completed in partial fulfillment of Colorado Plateau Cooperative Ecosystem Studies Unit Cooperative Agreement # H1200-004-0002".)

► For Phase II see Timmons *et al.* (2010, ITEM NO. 19.5579).

Johnson, Joan

2002 19.5106 The genus Pediocactus. *Espinas y Flores* (San Diego Cactus and Succulent Society), 23(3) (March 12): 7-11.

► Kaibab Plateau-Marble Canyon area.

Johnson, Matthew J.; Jamison, Levi; Ralston, Barbara E.; Makarick, Lori; AND Holmes, Jennifer

2012 19.4509 *2011 monitoring tamarisk foliage removal by the introduced tamarisk leaf beetle (*Diorhabda carinulata*), and its effects on avian habitat parameters along the Colorado River in Grand Canyon National Park, Arizona.* [No place]: U.S. National Park Service; *in cooperation with* Northern Arizona University, 71 pp. [Date given on p. iv.]

Johnson, Matthew J.; Ralston, Barbara; Holmes, Jennifer A.; AND Calvo, Christopher

NO DATE 19.5992 *Task 4.5 final sampling/monitoring report : Arizona Water Protection Fund Grand; inventory of tamarisk leaf beetle and effects on riparian habitat in the Colorado, Verde, Salt and Tonto Rivers, 2011, 2012 and 2013.* Flagstaff, Arizona: Northern Arizona University, Colorado Plateau Research Station; and U.S. Geological Survey, Southwest Biological Science Center, *for* Arizona Water Protection Fund, 102 pp.

► Study area on Colorado River is between Glen Canyon Dam and Lees Ferry.

Johnson, Matthew J.; Ralston, Barbara; Makarick, Lori; AND Holmes, Jennifer

2011 19.3905 Status and implications of tamarisk beetle (*Diorhabda carinulata*) along the Colorado River in Glen and Grand Canyons [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*.

Johnson, R. Roy [Johnson, Raymond Roy]

1991 19.822 Historic changes in vegetation along the Colorado River in the Grand Canyon. *In:* [National Research Council], Commission on Geosciences, Environment, and Resources, Water Science and Technology Board, Committee to Review the Glen Canyon Environmental Studies, *Colorado River ecology and dam management : proceedings of a symposium, May 24-25, 1990, Santa Fe, New Mexico.* Washington, D.C.: National Academy Press, pp. 178-206.

Johnson, R. Roy, AND Haight, Lois T.

1984 19.3009 Riparian problems and initiatives in the American Southwest: A regional perspective. *In:* Warner, R. E., and Hendrix, K. M. (eds.), *California riparian systems: Ecology, conservation, and productive management.* Berkeley and Los Angeles: University of California Press, pp. 404-412.

Johnson, R. Roy; Carothers, Steven W.; Finch, Deborah M.; Kingsley, Kenneth J.; AND Stanley, John T.

2020 19.6500 (TECHNICAL EDS.) Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, 268 pp.

Johnston, I. M.

1923 19.6215 Diagnoses and notes relating to the spermatophytes chiefly of North America. *Gray Herbarium of Harvard University, Contributions*, (68): 80-104, plate.

► See *Hymenopappus gloriosus* Heller (pp. 96-97); referred material includes "Grand Canyon, 1915, *Macbride & Payson 969*".

Jones, Christopher T.

2006 19.3293 Notice of availability of the final sentry milk-vetch recovery plan. *Federal Register*, 71(187) (September 27): 56547-56548.

Jones, Marcus E.

1894 19.3210 Contributions to western botany. VI. *Zoe*, 4: 367-369.

► Regarding the "Navajo Basin" (named in this paper), including remarks on climatic conditions at its lower end in the vicinity of Lees Ferry.

1895 19.3115 Contributions to western botany. No. VII. *California Academy of Sciences, Proceedings*, Series 2, 5: 611-732.

► See: *Arabis hirsuta* var. *glabrata* T. & G. (p. 620), localities include "Nagle's Ranch, Arizona, Buckskin Mountains [Kaibab Plateau]"

Astragalus humistratus var. *tenerrimus*, new variety (p. 649), localities include Buckskin Mountains

Oenothera triloba var. *ecristata*, new variety (pp. 681-682), localities include De Motte Park, Buckskin Mountains

Bigelovia howardi var. *attenuata*, new variety (pp. 691-692), localities include Buckskin Mountains

Laphamia congesta, new species (p. 703), from "the mesa below the Buckskin Mountains, Arizona"

Laphamia gracilis, new species (pp. 703-704), from "below Nagle's Ranch, on edge of Buckskin Mountains, Arizona".

1902 19.5273 *Contributions to western botany. No. 10.* Robinson, Utah: Mammoth Record Print, 90 pp.; [17], 16 plates.

► See: *Mirabilis californica* Gray, noted from Peach Springs, Arizona (p. 50)

Astragalas kentrophyta var. *coloradoensis*, new variety, from Lees Ferry, Arizona (p. 63, Plate 1)

Astragalus kaibensis, new species, from "House Rock, near Lee's Ferry, northern Arizona" (pp. 64-65, Plate 2).

1923 19.5274 *Revision of North-American species of* Astragalus. Salt Lake City: [no imprint] [Marcus E. Jones], 288, [41] pp., 78 plates.

► See: *Astragalus episcopus* Watson (pp. 76-77), from "along the Pahria [Paria River] and in House Rock valley north of Lee's Ferry Arizona and southward along the Little [*sic*] Colorado at least 50 miles"

A. montanus var. *coloradoensis* (Jones) (p. 80), "at Lee's Ferry"

A. humistratus var. *tenerrimus* Jones (p. 82), "In the parks of the Kaibab or Buckskin Mts. Arizona, overlooking the Grand Canon"

A. sesquiflorus Wats. (p. 82), "from the Pahria [Paria River] through Kanab and the Virgin bluffs in the Grand Canon region"

A. humillimus Gray (pp. 82-83), "Apparently common at the Grand Canon of the Colorado at the end of the railroad" [*i.e.* Grand Canyon Village area]

A. sabulonum Gray (pp. 99-100), noted widely, including Lee's Ferry

A. wardi Gray (pp. 107-108), noting, "My material from Willow Spring south of Lee's Ferry is probably this species."

A. lentiginosus var. *mokiacensis* (Gray), "Growing on the plateau south of St. George on both sides of the Colorado river" [*sic*] (p. 126)

A. lentiginosus var. *yuccanus* [taxon first named from Yucca, Arizona (a lower Colorado River region locality in this bibliography)], with note, "Other material similar but with coriaceous pods from Peach Springs and Lee's Ferry[,] Arizona . . . and intergrading toward the var. Mokiacensis" (p. 127)

A. sileranus Jones (pp. 196-197), localities include "the Kaibab on the Colorado, Utah and Arizona"

A. argophyllus Nutt. in T. & G. (pp. 206-207), with note of *A. argophyllus* × *purshii* from "Nagle's ranch on the Kaibab Arizona" (p. 207)

A. amphioxys Gray (pp. 214-215), localities include "down the Colorado through the Grand Canon" *(continued)*

A. haydenianus Gray (pp. 244-245), localities include "along the north side of the Grand Canon"

A. kaibensis Jones (pp. 250-251, Plate 64, figure 211), localities include "House Rock north of Lee's Ferry, Ariz."

1930 19.6641 A swing around the circle. *In: Contributions to Western Botany, No. 17*. Claremont, California: [no imprint] [Marcus E. Jones], p. 12.

► Includes brief remarks on a tour that passed through the region between Flagstaff, Arizona and Kanab, Utah, at a time of lacking rain: "Then north to Cameron and Tuca City, hoping to find the new species I got there forty years ago. But there had been no rain in that region for three years, and so my trip was in vain. Even on the Kaibab where there usually is ten feet of snow everything was bare. So I went on to Kanab, and then up the Vergin [*sic*] . . . ." (ENTIRE NOTE)

1930 19.6642 Localities in the swing around the circle. *In: Contributions to Western Botany, No. 17*. Claremont, California: [no imprint] [Marcus E. Jones], pp. 15-17.

► Includes brief notes (p. 15) of the area between Cameron, Arizona, and the Kaibab Plateau, including House Rock Valley.

1965 19.3994 Botanical exploration of Marcus E. Jones, 1876 to 1919: an autobiographical account; published in honor of the California Botanical Club in its seventy-fifth year. *Leaflets of Western Botany*, 10(12): 187-236.

Jones, Stephen B.

1929 19.3380 Summer snowstorms. *Grand Canyon Nature Notes*, 3(11) (July 31): 5.

► "Cotton" from aspen trees.

1929 19.829 Lightning-scarred trees. *Grand Canyon Nature Notes*, 3(12) (August 31): 5.

1929 19.834 Unconventional pines. *Grand Canyon Nature Notes*, 4(4) (December 31): 25.

► North Rim, between Grand Canyon Lodge and the campground. Three points are named "Inspiration Point", Respiration Point" and "Perspiration Point".

1930 19.836 Oh cedar! *Grand Canyon Nature Notes*, 4(7) (May 31): 42-43.

1994 19.837 Oh cedar! *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 69-70.

► Reprinted from *Grand Canyon Nature Notes*, May, 1930.

Jones, T. A.; Redinbaugh, M. G.; Larson, S. R.; Zhang, Y.; AND Dow, B. D.

2007 19.3429 Polymorphic Indian Ricegrass populations result from overlapping waves of migration. *Western North American Naturalist*, 67(3): 338-346.

Jordan, G. L.

1967 19.5252 An evaluation of pelleted seeds for seeding Arizona rangelands. *University of Arizona, Agricultural Experiment Station, Technical Bulltin 183*, 32 pp. [Cover title omits "s" in "Rangelands".]

► See "Fredonia Area", pp. 23-29.

K

Karpiscak, Martin M.

1976 19.852 Vegetational changes along the Colorado River. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 1-39.

Kasprak, Alan; Buscombe, Daniel D.; Caster, Joshua; Grams, Paul E.; AND Sankey, Joel B.

2016 19.5973 The individual and additive effects of vegetation encroachment and hydrologic alteration on sediment connectivity in Grand Canyon [ABSTRACT]. *American Geophysical Union, 2016 Fall Meeting, San Francisco, California, 12-16 December*, Abstract EP51D-07.

Kasprak, Alan; Sankey, Joel B.; AND Butterfield, Bradley J.

2021 19.6573 Future regulated flows of the Colorado River in Grand Canyon foretell decreased areal extent of sediment and increases in riparian vegetation. *Environmental Research Letters*, 16: 014029, 14 pp. + data accessible online at https://doi.org/10.5066/P918E2P3 ("Discharge records and sand extents along the Colorado River between Glen Canyon Dam and Phantom Ranch, Arizona", also accessible at https://www.sciencebase.gov/catalog/item/5f579a1282cea1f95a61a6cb).

Kaufmann, G. Alan

2000 19.2006 *Effects of prescribed burning on mortality of presettlement ponderosa pines in Grand Canyon National Park.* Master's thesis, Northern Arizona University, 94 pp.

Kaufmann, G. Alan, AND Covington, W. Wallace

2001 19.2981 Effect of prescribed burning on mortality of presettlement ponderosa pines in Grand Canyon National Park. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 36-42.

Kavanagh, James

1996 19.853 (ED.) *The nature of Arizona : an introduction to common plants and animals and natural attractions.* Minneapolis, Minnesota: Waterford Press, 175 pp.

Kavanagh, James, AND Leung, Raymond

1999 19.854 *Field guide to the Grand Canyon : an introduction to familiar plants and animals.* (Geology text by L. Greer Price; researched by Sara Stebbins; illustrated by Raymond

Leung.) [Grand Canyon, Arizona]: Grand Canyon Association, 6-panel card, folded and laminated. (Pocket Naturalist® series, copyright Waterford Press, Ltd.)

2017 19.5552 *Field guide to the Grand Canyon : a folding pocket guide to familiar plants and animals.* [No place]: Waterford Press, Inc., 2nd ed., 6-panel card, folded and laminated. (Pocket Naturalist® series.) [Author and illustrator indicated only on spine fold, as "Kavanagh/Leung".]

Kearney, Thomas H.

1954 19.2199 Further additions to the known flora of Arizona. *Leaflets of Western Botany*, 7(7): 165-175.

► Includes lower Colorado River localities; and other localities as Grand Canyon National Monument, Toroweap Valley and inner gorge, Kanab Plateau, "North Rim of Grand Canyon", and Buggeln Ranch, South Rim.

1964 19.855 (COMPILER) Arizona localities of interest to botanists. *Arizona Academy of Science, Journal*, 3(2): 94-103.

► Geographical list only.

Kearney, Thomas H., AND Peebles, Robert H.

1943 19.2200 *Gilia multiflora* Nutt. and its nearest relatives. *Madroño*, 7(2) (April): 59-63.

Kearney, Thomas H.; McClintock, Elizabeth; AND Parker, Kittie F.

1953 19.2201 Recent additions to the known flora of Arizona. *Leaflets of Western Botany*, 7(1): 1-11.

► Also Erratum slip: page 4, line 15, replace line with "flora with the finding of this curious parasitic plant on sand".

Kearney, Thomas H.; Peebles, Robert H.; AND collaborators

1942 19.3329 Flowering plants and ferns of Arizona. *U.S. Department of Agriculture, Miscellaneous Publication 423*, 1069 pp.

► Twenty-three collaborators are listed on p. 2.

1951 19.856 *Arizona flora.* Berkeley, California: University of California Press, 1,032 pp.

1960 19.857 *Arizona flora.* Berkeley, California: University of California Press, 2nd ed., with Supplement by John Thomas Howell, Elizabeth McClintock, and collaborators, 1,085 pp.

[Kearsley, Lisa H.]

2010 19.3304 *What's that plant? A guide for identifying plants along the Bright Angel Trail from the rim to Mile-and-a-Half Resthouse.* U.S. National Park Service, Grand Canyon National Park, folded brochure. [Author not credited.]

Kearsley, Lisa H.; Stevens, Lawrence E.; AND Schmidt, John C.

1994 19.4679 Riparian plant diversity in the Grand Canyon: disturbance, productivity and geomorphic influences [ABSTRACT]. *In:* Program and Abstracts; Part Two: Abstracts;

79th Annual ESA Meeting, Science and Public Policy, Knoxville, Tennessee, 7-11 August 1994. *Ecological Society of America, Bulletin*, 75(2) (Supplement): 107.

Kearsley, Michael J. C.

2005 19.2556 Trends in terrestrial riparian resources, 2001-04 [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 62.

2005 19.4553 Growth and recession of tamarisk in response to a regulated hydrograph in Grand Canyon National Park [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 86(52, Fall Meeting Supplement), Abstract B23A-1034.

Kearsley, Michael J., AND Ayers, Tina J.

1997 19.858 Effects of the 1996 beach/habitat-building flow on vegetation, seed banks, organic debris, and germination sites. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], p. 64.

1999 19.859 Riparian vegetation responses: Snatching defeat from the jaws of victory and *vice versa*. *In:* Webb, Robert H., Schmidt, John C., Marzolf, G. Richard, and Valdez, Richard A. (eds.), *The controlled flood in Grand Canyon.* Washington, D.C.: American Geophysical Union, pp. 309-327. (*American Geophysical Union, Geophysical Monograph 110.*)

Kearsley, Michael J.; Breedlove, M. J.; Kaplsinki, Matt A.; Hazel, Joseph E.; AND Ralston, B. E.

2006 19.4552 Lidar return data vs. ground-based topographic and vegetation structure surveys in riparian habitats of the Colorado River in Grand Canyon [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 87(52, Fall Meeting Supplement), Abstract B41A-0181.

Kearsley, Michael J.; Curran, S.; Tukman, M.; AND Pedersen, R.

2011 19.4956 Two electronic data collection solutions from Grand Canyon's Vegetation Mapping Project [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, pp. 101-102.

Kearsley, Michael J.; Gdula, Eric; Bunn, Windy; Mosby, Corey; AND Holm, Greg

2013 19.5434 The Grand Canyon vegetation map: Baseline data for management decision support [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 78.

Kearsley, Michael J. C.; Green, Kass; Tuckman, Mark; Reid, Marion; Hall, Mark; Ayers, Tina; AND Christie, Kyle

2015 19.5980 *Grand Canyon National Park-Grand Canyon/Parashant National Monument vegetation classification and mapping project.* Fort Collins, Colorado: U.S. National Park Service,

Natural Resource Stewardship and Science, 616 pp. (Natural Resource Report NPS/GRCA/NRR-2015/913.)

► Title with punctuation thus. (Grand Canyon National Park/Grand Canyon-Parashant National Monument vegetation classification and mapping project.)

Kearsley, Michael J.; Lightfoot, David; Brantley, Sandra; Frey, Jennifer; Carpenter, Geoff; Yard, Helen; AND Cobb, Neil

2005 19.2557 Linkages among terrestrial riparian resources and dam operations [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 81.

2005 19.2595 Linkages among terrestrial riparian components in the Colorado River corridor of Grand Canyon National Park [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 54.

Kearsley, Michael J.; Stevens, Lawrence E.; AND Ayers, Tina J.

1994 19.4680 Interim flow effects on fluvial marsh plant communities in Grand Canyon [ABSTRACT]. *In:* Program and Abstracts; Part Two: Abstracts; 79th Annual ESA Meeting, Science and Public Policy, Knoxville, Tennessee, 7-11 August 1994. *Ecological Society of America, Bulletin*, 75(2) (Supplement): 107.

Keck, David D.

1937 19.2147 Studies in *Penstemon* V. The section Peltanthera. *American Midland Naturalist*, 18(5) (September): 790-829.

► See: "*Penstemon Palmeri* subsp. *typicus* nom. nov." (pp. 795-797), material from "Grand Canyon, Kaibab trail to Roaring Springs, Eastwood & Howell 1009 (CAS); Grand Canyon, Grand View Trail, (Eastwood 5692 (CAS) . . . Peach Springs, May 26, 1884, Jones (C,CAS,CI,SU,US)"

"*Penstemon pseudospectabilis* subsp. *Clutei* (A. Nels.) comb. nov." (p. 806), material from "Grand Canyon, MacDougal 175 (C,GH)"

"*Penstemon utahensis* Eastwood" (p. 826), material from "Bright Angel Trail, Grand Canyon, May 6, 1917, Meiere (GH); Hermit Creek, Grand Canyon, Eastwood 6027 (C,CI,F)."

Also notes for "*Penstemon Parryi* (Gray) Gray" (p. 828-829), "A collection from Peach Springs, Arizona, July 1884, Lemmon (C), is doubtless an introduction or the locality is erroneously given, for the species has not been recollected in modern times in Mohave County." (p. 829)

Keeley, Jon E., AND Keeley, Sterling C.

1988 19.860 Chaparral. *In:* Barbour, Michael G., and Billings, William Dwight (eds.), *North American terrestrial vegetation.* Cambridge, England: Cambridge University Press, pp. 165-207.

Keen, F. P.

1952 19.4574 Insect enemies of western forests. *U.S. Department of Agriculture, Miscellaneous Publication 273*, revised, 280 pp.

► See Figure 62 (p. 14) and Figure 106 (p. 232), illustrating Black Hills beetle damage and control in Kaibab National Forest, Arizona. No text notes of Kaibab forest.

Keener, Paul D.

1956 19.861 Two fungi associated with a microcyclic rust, *Coleosporium crowelli* Cummins, on needles of *Pinus edulis* Engelm. in Arizona. *Madroño*, 13(6) (April): 189-195.

► "The investigation is based on materials collected in the vicinity of Yaki and Moran Points, South Rim of the Grand Canyon . . . ."

1959 19.2202 Sporophore size in *Fomes pinicola* (Swartz ex Fries) Cooke. *Plant Disease Reporter*, 43(9): 966-967.

► "In 1955 , while studies on the fungus flora of the area were being pursued , a large conk of *F. pinicola* was observed on a trunk of *Pseudotsuga menziesii* (Mirb.) Franco, at Robbers' Roost Canyon, North Rim of the Grand Canyon, Grand Canyon National Park"; "In 1958, approximately 3 years later (August 29), the tree was revisited. Another sporophore had developed on the same bark surface." Both are illustrated; the original specimen was deposited in the Grand Canyon National Park Herbarium.

Keil, David J.

1974 19.2107 New taxa in *Pectis* (Compositae: Pectidinae) from Mexico and the southwestern United States. *Brittonia*, 26(1) (January/March): 30-36.

► See "*Pectis papposa* Harv. & Gray in Gray, Mem. Amer. Acad. Arts 4: 62. 1849. var. *grandis* Keil, var. nov." (pp. 32-34), type material from Texas, "Additional specimens examined include "Havasupai Canyon, 17 Jul 1940, *Clover 5192* (SMU, TEX)".

2003 19.2393 Key to families of vascular plants in Arizona. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 35(2): 88-136.

Keil, David J.; Luckow, Melissa A.; AND Pinkava, Donald J.

1988 19.2108 Chromosome studies in Asteraceae from the United States, Mexico, the West Indies, and South America. *American Journal of Botany*, 75(5): 652-668.

► Includes (p. 654) *Heterotheca* aff. *fulcrata* (Greene) Shiners, chromosome count *n* = 9, from "Grand Canyon, rd to Pt Imperial, *K11715* (ASU)".

Kellogg, Albert, AND Greene, Edward L.

1890 19.3175 *West American oaks : Part II.* [As Part II of] *Illustrations of west American oaks. From drawings by the late Albert Kellogg, M.D. : the text by Edward L. Greene : published from funds provided by James M. McDonald, Esq.* San Francisco: [no imprint], pp. [51]-84.

► See Plate 27, *Quercus turbinella*, Greene; and text, p. [59], including notes of observations in canyons near Peach Springs, Arizona. [Part [I], pp. 1-47, published 1889, San Francisco: [no imprint].]

Kennedy, Theodore A., AND Ralston, Barbara E.

2005 19.2560 Estimates of systemwide above-ground biomass and terrestrial vegetation inputs for the Colorado River ecosystem [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 63.

2012 19.3615 Regulation leads to increases in riparian vegetation, but not direct allochthonous inputs, along the Colorado River in Grand Canyon, Arizona. *River Research and Applications*, 28(1): 2-12. [First published online July 7, 2010, doi:10.1002/rra.1431.]

Kern, Frank D., AND Keener, Paul D.

1960 19.2203 Identity of a rust on *Ephedra*. *Science*, 131 (January 29): 298.

Kerner von Marilaun, Anton

1916 19.4047 *Pflanzenleben. Dritte Auflage.* (Adolf Hansen, ed.) *Dritter Band: Die Pflanzenarten als Floren und Genossenschaften (Abstammungslehre und Pflanzengeographie).* Leipzig and Wien: Bibliographisches Institut, 556 pp. [In German.]

▶ Colorado Plateau, pp. 467-468.

Kim, YunSuk

2009 19.3007 *Distinguishing between live and dead standing tree biomass on the North Rim of Grand Canyon National Park, USA using small-footprint Lidar data.* Master's thesis, Oregon State University, 41 pp.

Kim, Yunsuk; Yang, Zhiqiang; Cohen, Warren B.; Pflugmacher, Dirk; Lauvber, Chris L.; AND Vankat, John L.

2009 19.4249 Distinguishing between live and dead standing tree biomass on the North Rim of Grand Canyon National Park, USA, using small-footprint lidar data. *Remote Sensing of Environment*, 113: 2499-2510.

Kimmel, James R.

1969 19.871 *Pond succession on the Kaibab Plateau, Arizona.* Master's thesis, Baylor University, Waco, Texas.

King, Frances B., AND King, James E.

1978 19.872 Plant communities of the Grand Canyon. *In:* Schuberth, Christopher J., *Field geology of the Grand Canyon.* Springfield, Illinois: Illinois State Museum, Guidebooklet 2, Appendix, pp. [23]-[45].

King, James E., AND Sigleo, Wayne R.

1973 19.874 Modern pollen analysis in the Grand Canyon [ABSTRACT]. *American Association of Stratigraphic Palynologists, Annual Meeting, Abstracts of Papers,* (4), p. 17.

1973 19.4733 Modern pollen in the Grand Canyon, Arizona. *In:* Perkins, Bob F. (ed.), *Geoscience and Man, Volume VII : proceedings of the Fourth Annual Meeting, October 1971.* Baton Rouge: Louisiana State University, Department of Geoscience, pp. 73-81.

► "Two surface pollen transects were collected from the Grand Canyon, Arizona. One transect consisted of 22 samples collected at river level through the inner gorge, a river distance of 362 km; the other went from the South Rim to the North Rim across the canyon and comprised 25 samples." (from the abstract)

King, Timothy A.

2003 19.2381 Against all odds; reflections on a "lost" ponderosa pine. *Canyon Views* (Grand Canyon Association), 9(2) (Summer): 4.

► Ponderosa pine in Inner Gorge.

2004 19.2452 North Rim shrub contender for world record? *Nature Notes* (Grand Canyon National Park), (Spring): 9.

► Little-leaf mountain mahogany, *Cercocarpus intricatus*, Locust Point.

Kingsley, Margaret Appleton

1911 19.3676 On the anomalous splitting of the rhizome and root of *Delphinium scaposum*. *Torrey Botanical Club, Bulletin*, 38(7) (July): 307-317, Plates 13, 14.

► See p. 307: "Greene . . . says that Dr. Asa Gray informed him that Professor Newberry obtained what appeared to be the same, south of the Diamond River in Arizona. In this same account, Greene gives the only adequate description of the plant . . . ."

Kirkwood, Scott

2010 19.6763 It's only natural; Nature Valley teams up with NPCA to restore three parks. *National Parks*, 84(3) (Summer): 22-23. [Naitonal Parks Conservation Association.]

► Grand Canyon, p. 22. Projects entail removal of invasive plants.

Kitchen, Stanley G., AND McArthur, E. Durant

2007 19.4306 Big and black sagebrush landscapes. *In:* Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 73-95.

► Includes Arizona Strip.

Kladiwa, Leo

1963 19.4339 Das *Toumeya*-Problem und die eingezogenen Genera *Navajoa* und *Turbinicarpus*. *Sukkulentenkunde* (Schweizerschen Kakteen-Gesellschaft, Jahrbuch) (Zürich), 7/8 (March): 42-60. [In German.]

Klopatek, Carole Coe; Friese, Carl; Allen, Michael F.; DeBano, Leonard F.; AND Klopatek, Jeffrey M.

1990 19.5959 The effect of a high intensity fire on the patch dynamics of VA mycorrhizae in pinyon-juniper woodlands. *In:* Fire and the Environment: Ecological and Cultural Perspectives : proceedings of an international symposium : Knoxville, Tennessee, March 20-24, 1990. *U.S. Forest Service, Southeastern Forest Experiment Station, General Technical Report SE-69*, pp. 123-128.

▶ Coconino Plateau, Kaibab National Forest. [VA: vesicular-arbuscular.]

Knapp, Sandra; Sagona, Eva; Carbonell, Anna K. Z.; AND Chiarini, Franco

2017 19.6166 A revision of the *Solanum eleagnifolium* clade (Eleagnifolium clade; subgenus *Leptostemonum*, Solanaceae). *PhytoKeys*, 84: 1-104.

▶ Includes data from collection made in Havasu Canyon (listed p. 41: "Coconino County, Grand Canyon National Park, Havasu Canyon, 27 May 1950, *Howell 26563* (CAS)" [ENTIRE NOTE]).

Knox, Shawn C.; Chambers, Carol; AND Germaine, Stephen S.

2001 19.2274 Habitat associations of the sagebrush lizard (*Sceloporus graciosus*): potential responses of an ectotherm to ponderosa pine forest restoration treatments. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 95-98.

▶ Study site in Grand Canyon-Parashant National Monument.

Kobor, Jeremiah S., AND Springer, Abraham E.

2003 19.2482 Predicting riparian vegetation response to groundwater withdrawals: An interdisciplinary modeling approach to a regional spring system, Grand Canyon, AZ [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 35(6): 374.

Kobor, Jeremiah S.; Springer, Abraham E.; Scott, M. L.; AND Shafroth, P.

2004 19.4555 Hydrologic and ecologic responses to diminished spring discharge; surface-water/groundwater and vegetation modeling, Grand Canyon, Arizona [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 85(47, Fall Meeting Supplement), Abstract H33D-0497.

Koenig, Karen

2011 19.4952 Modeling long-term changes to stand structure and fuels within different burn severities [ABSTRACT]. *In: Rethinking Protected Areas in a Changing World : The George Wright Society Conference on Parks, Protected Areas and Cultural Sites, March 14-18, 2011, New Orleans, Louisiana : abstracts.* [No place]: George Wright Society, p. 17.

▶ Grand Canyon National Park.

Kondratyuk, S., AND Poelts, J.

1997 19.4377 Two new Asian *Xanthoria* species (*Teloschistaceae*, lichenized Ascomycotina). *Lichenologist*, 29(2): 172-190.

► See *Xanthoria alfredi*, new species (pp. 178-180), based on specimens from Russia and China. A footnote (p. 180) is added: "After the submission of this paper one collection of *Xanthoria alfredi* was kindly provided by U. Søchting from the U.S.A.: Arizona, Kaibab National Forest, alt. *c.* 2000 m, on bark of *Populus*, 28 viii 1994, *U. Søchting* 7013 (hb. U. Søchting)." (ENTIRE NOTE) The voucher specimen is in the herbarium of U. Søchting.

Korsós, Zoltán, AND Zachar, Zita

2019 19.6455 Kaktuszok és csörgőkígyók; Arizona földjén. *Állatvilág* (Fővárosi Állat és Növénykert, *with* Magyar Természettudományi Múzeum, Solymár, Hungary), 6(4) (July/August): 4-7. [In Hungarian.]

► Cacti. Includes Grand Canyon.

Krause, Crystal M.

2012 19.4466 Spatial patterns of endemic plant species of the Colorado Plateau. *Calochortiana* (Utah Native Plant Society), (1) (December): 63-76.

Kreidel, George A.

1922 19.6003 *Notes of a Catholic biologist.* St. Louis (Missouri) and London: B. Herder Book Co., 276 pp.

► See pp. 108-109, note of wind dispersal of seeds; includes observation at Grand Canyon, *in passing*.

Küchler, A. W., AND McCormick, Jack

1971 19.889 (COMPILERS) *Vegetation maps of North America* (International Bibliography of Vegetation Maps [A. W. Küchler, ed.], Volume 1). Naarden: Anton W. Van Bekhoven, 453 pp.

Kuijt, Job

2003 19.6916 Monograph of *Phoradendron* (Viscaceae). *Systematic Botany Monographs*, (66), 643 pp.

► See within the representative specimens for *Phoradendron juniperinum* (pp. 533-535); systematic description, pp. 249-251; distribution map, fig. 57 (p. 129).

Kumar, Manish; Kumar, Praveen; Kaur, Amardeep; Kaur, Sandeep; AND Kaur, Satwinderjeet

2023 19.7004 Bioactive phytochemicals from *Ephedra*: An updated review. *Thai Journal of Pharmaceutical Sciences*, 47(4): e7 (11 pp.) (https://digital.car.chula.ac.th/tjps/vol47/iss4/7).

► See p. 1, note *in passing* of the therapeutic use of *Ephedra* by the Havasupai and Hualapai, among others.

Kyle, R. Logan

2008 19.3016 New trees branch out along Del Valle. *Observation Post* (U.S. Marine Corps Air Ground Combat Center, Twentynine Palms, California), 51(9) (February 27): A6.

▶ Tamarisk eradication; also noted is tamarisk in "Grand Canyon in Nevada" [*sic*].

Kylie, H. R.; Hieronymus, G. H.; AND Hall, A. G.

1937 19.2899 *CCC forestry.* Washington, D.C.: U.S. Government Printing Office, 335 pp. [Civilian Conservation Corps.]

▶ See pp. 212, 214, 281.

L

Laferrière, Joseph E.

1992 19.891 Berberidaceae; barberry family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 2-4.

1994 19.892 Juglandaceae; walnut family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 219.

1994 19.893 Platanaceae; sycamore or plane tree family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 238.

1994 19.894 Santalaceae; sandalwood family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 240.

Lair, Bridget; Brooks, Matt; AND Deuser, Curt

2005 19.2597 Evaluating postfire seeding treatments to suppress cheatgrass (*Bromus tectorum*) in ponderosal [*sic*] pine forests on the Shivwits Plateau [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 57.

Lamb, Samuel H.

1975 19.895 *Woody plants of the Southwest.* Santa Fe, New Mexico: Sunstone Press, 177 pp.

Landolt, Elias

1992 19.896 Lemnaceae; duckweed family. *In:* Vascular Plants of Arizona Editorial Committee, A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 26(1): 10-14.

Landrum, Leslie R.

1994 19.897 Fagaceae; oak family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 203-214.

1995 19.898 Aceraceae; maple family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 29(1): 2-5.

Lanner, Ronald M.

1974 19.2982 Natural hybridization between *Pinus edulis* and *Pinus monophylla* in the American Southwest. *Silvae Genetica*, 23(4): 108-116.

► Localities noted for *P. edulis* populations include "South Rim" and Point Imperial. Localities noted for *P. monophylla* populations include Virgin Mountains, Shivwits. Localities noted for *P. edulis* × *P. monophylla* populations include Mount Trumbull, Page, Cape Royal, "Kaibab Trail".

Lanner, Ronald M., AND Phillips, Arthur M., III

1992 19.2110 Natural hybridization and introgression of pinyon pines in northwestern Arizona. *International Journal of Plant Sciences*, 153(2) (June): 250-257.

► Foliage sample sites include: Cape Royal, House Rock Valley, Hualapai Mountains, "Imperial Point", Jacob's Well, "Kaibab Trail", Mount Trumbull, Page, Peach Springs, Poverty Mountain, Snap Point, "South Rim", Tapeats Amphitheater, Tobar Terrace, Trail Canyon.

Larsen, Wes

1992 19.901 *A field folio of Indian and pioneer medicinal plants as found in the deserts and plateaus of Death Valley, Great Basin National Park, Zion National Park, Capitol Reef National Park, Canyonlands National Park, Arches National Park, Natural Bridges, Bryce Canyon National Park, and Grand Canyon.* Toquerville, Utah: Third Mesa Publishing Co., 65 pp. [pagination with odd numbers on lefthand page].

1994 19.902 Mormon tea. *Boatman's Quarterly Review*, 7(3) (Summer): 21.

1999 19.1939 A folk history of the prickly pear cactus. *Boatman's Quarterly Review*, 12(4) (Winter): 24-25.

► Excerpt from a manuscript for a book, "Folk Histories of Selected Desert Plants."

2001 19.2111 A folk history of squaw bush. *Boatman's Quarterly Review*, 14(4) (Winter 2001-2002): 20-22.

Larson, Peggy Pickering

1960 19.903 The trees, flowers, and shrubs of the Southwest. *In:* Burns, William A. (ed.), *The natural history of the Southwest.* New York: Franklin Watts, Inc., pp. 33-63.

Laughlin, Daniel C.; Bakker, Jonathan D.; AND Fulé, Peter Z.

2005 19.2626 Understorey plant community structure in lower montane and subalpine forests, Grand Canyon National Park, USA. *Journal of Biogeography*, 32(12): 2083-2102.

► British spelling in title. American spelling of title for digital search purposes: Understory plant community structure in lower montane and subalpine forests, Grand Canyon National Park, USA.

Laughlin, Daniel C.; Daniels, Mark L.; Springer, Judith D.; Gildar, Cara N.; Green, A. M.; Covington, W. Wallace; Bakker, J. D.; AND Stoddard, Michael T.

2004 19.2505 Toward reference conditions: Wildfire effects on flora in an old-growth ponderosa pine forest. *Forest Ecology and Management*, 199(1): 137-152.

Laughlin, Daniel C.; Roccaforte, John Paul; AND Fulé, Peter Z.

2011 19.5318 Effects of a second-entry prescribed fire in a mixed confier forest. *Western North American Naturalist*, 71(4) (December): 557-562.

► Grand Canyon National Park.

Laughlin, Daniel C.; Strahan, Robert T.; Huffman, David W.; AND Sánchez Meador, Andrew J.

2017 19.6675 Using trait-based ecology to restore resilient ecosystems: historical conditions and the future of montane forests in western North America. *Restoration Ecology*, 25(S2) (December): S135-S146.

Lefler, Brian John

2014 19.5664 *Nuwuvi (Southern Paiute) ecological knowledge of piñon-juniper woodlands: Implications for conservation and sustainable resource use in two southern Nevada protected areas.* Master's thesis, Portland State University, 169 pp.

► Based on the Spring Mountains National Recreation Area and the Desert National Wildlife Refuge, but also calls upon Nuwuvi ancestral territories.

Lehr, J. H.

1978 19.912 *A catalogue of the flora of Arizona.* Phoenix: Desert Botanical Garden, 203 pp.

Leibfried, William Charles [Leibfried, Bill]

1988 19.913 *The utilization of* Cladophora glomerata *and epiphytic diatoms as a food source by rainbow trout in the Colorado River below Glen Canyon Dam.* Master's thesis, Northern Arizona University, 40 pp.

Leibfried, William C., AND Montgomery, W. Linn

1987 19.917 The roles of *Cladophora* and epiphytic diatoms in the nutrition of rainbow trout at Lees Ferry, Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 22 (1987 Proceedings Supplement): 11.

Lemmon, J. G. [Lemmon, John Gill]

1900 19.3550 *Handbook of west-American cone-bearers.* [No imprint], 4th (Pocket) ed., 116 pp.

► See section, "Distribution of Western Coniferae"; specifically, "Arizona", pp. 94-95.

1900 19.3614 [L]ist of the principal plants of Peach Springs Wash and Diamond Creek to its confluence with the Colorado, beginning with the trees. *In:* James, George Wharton, *In and around the Grand Canyon: The Grand Canyon of the Colorado River in Arizona.* Boston: Little, Brown, and Co., pp. 322-325.

► Transcribed "from the Canyon Hotel Register at the Peach Springs Trail"; written during a visit by Prof. and Mrs. Lemmon, 4-5 November 1892. The transcribed entry begins, "First visited the Canyon April, 1884, discovering several new species of plants." The hotel refers to the Farlee Hotel in Peach Springs Canyon. The register does not survive.

Lemonick, Michael D.

1990 19.3810 Invasion of the habitat. *Time*, (September 10):.

► Invasive species. For Grand Canyon, notes tamarisk and former occupation by feral burros.

Leonard, Jill

2005 19.3301 Kaibab National Forest; North Kaibab Ranger District; Jacob Ryan vegetation management. *Federal Register*, 70(149) (August 4): 44883-44884.

► Notice of intent to prepare Environmental Impact Statement for Jacob Ryan Planning Area, North Kaibab Ranger District, U.S. Forest Service.

Leonard, Kara, AND Opperman, Tonja

2001 19.5884 Effects of prescribed fire on aspen within a mixed ponderosa pine/white fir forest at Grand Canyon National Park [ABSTRACT]. *In:* Sheppard, Wayne D., Binkley, Dan, Bartos, Dale L., Stohlgren, Thomas J., and Eskew, Lane G. (compilers), Sustaining Aspen in Western Landscapes: symposium proceedings, 13-15 June 2000, Grand Junction, CO. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-18*, p. 451.

Leskiw, Tom

2005 19.4433 River lost, river found; the Colorado and San Pedro Rivers. *Terrain.org* (A Journal of the Built and Natural Environments), (16) (Spring/Summer):.

► Riparian ecology.

Léveillé, H., AND Guffroy, Ch.

1902 19.5698 *Monographie du genre* Onothera. Le Mans: Institut de Bibliographie, 466 pp. [In French.]

► See *Onothera brevipes* Gray var. *scapoidea* Torrey et Gray (pp. 146-148); distribution notes include "Arizona: Lee's Ferry, 13 juin 1890 (*M. E. Jones*)" (p. 148). In this publication no other taxa are noted from the immediate Grand Canyon region.

Lightle, Paul C., AND Hawksworth, Frank G.

1973 19.929 Control of dwarf mistletoe in a heavily used ponderosa pine recreation forest: Grand Canyon, Arizona. *U.S. Forest Service, Research Paper RM-106*, 22 pp.

► South Rim.

Linden, David S.; Rohde, Wayne G.; AND Bonner, Kris G.

1981 19.6379 Estimating the area of vegetation types with Landsat and ancillary data. *In:* Lund, H. Gyde, Caballero, Miguel, Hamre, R. H., Driscoll, Richard S., and Bonner, William (technical coordinators), Arid Land Resource Inventories: Developing Cost Effective Methods. Inventarios de recursos de tierras aridas: Desarrollo de metodos eficientes en costos. An international workshop, November 30-December 6, 1980, Laz Paz, Mexico. *U.S. Forest Service, General Technical Report WO-28*, pp. 279-286. [In English with bilingual volume title and abstract.]

► Study area in northwestern Arizona.

Lindh, C. Otto

1949 19.6682 Ponderosa pine in the Southwest. *U.S. Department of Agriculture, Yearbook of Agriculture 1949*, pp. 347-352.

► See pp. 348-349, regarding Kaibab Plateau.

Lindsay, Delbert W.

1959 19.5466 Appendix A: Vascular plants collected in Glen Canyon. *From:* Flowers, Seville, Vegetation of Glen Canyon. *In:* Woodbury, Angus M. (Biological Editor), Ecological studies of the flora and fauna in Glen Canyon. *University of Utah, Department of Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), pp. 63-72.

► Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona.

Lindsey, J. Page, AND Gilbertson, R. L.

1977 19.5247 A new *Steccherinum* (Aphyllophorales, Steccherinaceae) on quaking aspen. *Mycologia*, 69: 193-197.

► Describes *Steccherinum oreophilum* Linds. et Gilbn., sp. nov.; includes examined specimens from Tater Hollow Rd., Kaibab Plateau. (Type material is not from the region pertinent to this bibliography.)

Lint, Harold, AND Epling, Carl

1945 19.2148 A revision of Agastache. *American Midland Naturalist*, 33(1): 207-230.

► *Agastache* (Lamiaceae).

Little, Elbert L., Jr.

1950 19.930 Southwestern trees; a guide to the native species of New Mexico and Arizona. *U.S. Department of Agriculture, Agricultural Handbook 9*, 109 pp.

Little, R. John

2001 19.2024 Violaceae violet family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 73-82.

Liu, Aizhong, AND Burke, John M.

2006 19.3627 Patterns of nucleotide diversity in wild and cultivated sunflower. *Genetics*, 173 (May): 321-330.

► Populations/lines surveyed in study include Havasupai sunflower (p. 323); not otherwise specifically mentioned in text.

Lloret, Francisco, AND Kitzberger, Thomas

2018 19.6057 Historical and event-based bioclimatic suitability predicts regional forest vulnerability to compound effects of severe drought and bark beetle infestation. *Global Change Biology*, 24(5) (May): 1952-1964.

► *Pinus edulis* populations in southwestern North America, 1972-2007.

Lloyd, Francis Ernest

1904 19.4068 A visit to the Desert Botanical Laboratory. *New York Botanical Garden, Journal*, 5(57) (September): 172-177.

► See p. 177, note of the author's reconnaissance with laboratory director W. A. Cannon in "the San Francisco Mountain and the Grand Cañon of the Colorado", prevented in detail by heavy rains and the "sustained droughts of the then closing dry season [that] had proved markedly inimical to vegetation."

Loftfield, J. V. G.

1924 19.3827 *Quantitative studies on the vegetation of the grazing ranges of northern Arizona.* Doctoral dissertation, University of Arizona, [99] pp., [9] figures, 9 plates.

► Santa Fe Railway corridor from the Arizona-California boundary to Flagststaff, Arizona; and Williams, Arizona, to Grand Canyon.

Lomaom'vaya, Micah; Ferguson, T. J.; AND Yeatts, Michael

2001 19.2690 *Öngtuvqava Sakwtala: Hopi ethnobotany in the Grand Canyon.* Kykotsmovi, Arizona: Hopi Cultural Preservation Office, 157 pp.

Loozen, Michelle Maureen

2017 19.6374 *Relation between riparian vegetation and sandbar dynamics in the Colorado River.* Master of Science Thesis Report, Delft University of Technology, 73 pp. [Master's thesis.]

► Study sites between Lees Ferry and 119 Mile Creek. Preface (p. 3) indicates "research is done in cooperation with Deltares [Delft, Netherlands], and USGS Grand

Canyon Monitoring and Research Center"; page includes the logos of Deltares, U.S. Geological Survey, and Technische Universiteit Delft.

Lüthy, Johnas M.

1999 19.4934 Einige neue Kakteennamen. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 50(11): 277-280. [In German.]

▶ See p. 278, *Pediocactus peeblesianus* (Croizat) L. D. Benson subsp. *fickeiseniae* (Backeberg ex Hochstäter) Lüthy. *NOTE*: The basionym *Navajoa peeblesiana* Croizat var. *fickeisenii* Backeberg ex Hochstätter, and other names earlier than Lüthy's, are not valid names by the Code of Botanical Nomenclature. The type locality, unspecific, is on the north side of Grand Canyon.

Lutz, Alwine, AND Lutz, Eberhard

1989 19.6110 Zu den Kakteenstandorten im Westen der USA. Reisebericht in zwei Teilen; Teil 2. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 40(6) (June): 138-141. [In German.]

▶ Cactus hunting; includes note of House Rock Valley and Lees Ferry area. Part 1 is not pertinent to this bibliography.

1990 19.6051 Reiseeindrücke vom Arizona-Strip. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 41(1) (January): 11-13. [In German.]

▶ Cactus hunting on the Arizona Strip.

Lynch, Ann M.; Anhold, John A.; McMillin, Joel D.; Dudley, Steve M.; Fitzgibbon, Roberta A.; AND Fairweather, Mary Lou

2008 19.4897 *Forest insect and disease activity on the Kaibab National Forest and Grand Canyon National Park, 1918-2006 : report for the Kaibab N.F./Regional Analysis Team.* Tucson, U.S. Forest Service, Rocky Mountain Research Station; and Flagstaff: U.S. Forest Service, Arizona Zone Office, *for* U.S. National Forest Service, Kaibab National Forest, 41 pp.

Lynn, Janet C.; Auberle, William; Peppin, Donna L.; Fulé, Peter Z.; AND Mottek-Lucas, Anne L.

NO DATE 19.4044 *Northern Arizona native plant market feasibility study.* Flagstaff, Arizona: Northern Arizona University (School of Forestry; Ecological Monitoring and Assessment Program and Foundation; and Ecological Restoration Institute), 224 pp. [2008.]

M

Macbride, J. Francis

1916 19.3021 Certain Borraginaceae, new or transferred. *American Academy of Arts and Sciences, Proceedings*, 51(10) (January): 541-548.

► See *Cryptantha barbigera* (Gray) Greene var. *inops* (Brandegee), new combination (p. 548). Includes note, "A specimen collected by Dr. Gray in the Grand Cañon 1885 [*i.e.*, near Peach Springs] and included by him in the species must now be referred to the variety." (ENTIRE NOTE)

1916 19.6216 Revision of the genus *Oreocarya*. *Gray Herbarium of Harvard University, Contributions*, (48): 20-38.

► See: *Oreocarya setosissima* (Gray) Greene (p. 27), referred material includes "about Grand Canon of the Colorado, June 26, 1898, *MacDougal*, no. 165"

O. multicaulis (Torr.) Greene var. *cinerea* (Greene) Macbr. (p. 34), referred material includes "rim of Grand Canyon at Grand Canyon, June, 1915, *Macbride & Payson*, no. 950"

O. oblata (Jones) Macbr. (pp. 35-36), referred material notes, "The collection by Jones from Peach Springs, Arizona, and cited by him . . . as this species, is, in some part, *O. multicaulis* (Torr.) Green, var. *cinera* (Greene) Macbr."

1916 19.6214 Notes on certain Borraginaceae. *Gray Herbarium of Harvard University, Contributions*, (48): 39-58.

► See *Cryptantha hillmannii* Nels. & Kenn. (pp. 47-48); specimens examined include "Grand Canyon, June 28, 2898, *MacDougal*, no. 184."

1918 19.4978 Various American spermatophytes, new or transferred. *Gray Herbarium of Harvard University, Contributions*, (56): 50-61.

► See *Krameria parvifolia* Benth. var. *glandulosa* (Rose and Painter), new combination (p. 52). Referenced material includes "Grand Canon, 1885, *Gray*".

MacDougal, D. T. [MacDougal, Daniel Trembly]

1899 19.3551 Seed dissemination and distribution of *Razoumofskya robusta* (Engelm.) Kuntze. *Minnesota Botanical Studies*, 2: 169-173, Plates 15, 16. (Geological and Natural History Survey of Minnesota, Reports of the Survey and Bulletin of the Department, Botanical Series, IV.)

► "An abstract of this paper was read before the Botanical Club of the A.A.A.S. [American Association for the Advancement of Science] at Boston, August 25, 1898." *NOTE*: The legends for Plates 15, 16 (p. 173) are reversed. Includes notations about Grand Canyon specimens; also illustrated in Plate 15.

1908 19.943 Botanical features of North American deserts. *Carnegie Institution of Washington, Publication 99*, 111 pp.

► See "Grand Canyon of the Colorado River", pp. 32-33, plate 29.

Madsen, Matthew D.; Svejcar, Lauren; Radke, Janae; AND Hulet, April

2018 19.6029 Inducing rapid seed germination of native cool season grasses with solid matrix priming and seed extrusion technology. *PLoS One*, 13(10): e0204380, 14 pp.

► Includes field experiment conducted on the West Side region of Kaibab Plateau.

Maffen, Helen

1984 19.5121 Control of dwarf mistletoe at the Grand Canyon: results after a third of a century [ABSTRACT]. *In: Proceedings : 32d Western International Forest Disease Work Conference, 1984 September 25-28, Taos, NM.* Victoria, British Columbia: [Canadian Forestry Service], Pacific Forest Research Centre, pp. 59-60.

Majure, Lucas C.

2022 19.6929 On the origin of the two putative allopolyploids, *Opuntia curvispina* and *O. martiniana* (Cactaceae). *Botanical Research Institute of Texas, Journal*, 16(1) (July 15): 317-333.

► Includes the designation of a neotype for *Optunia littoralis* (Engelm.) Cockerell var. *martiniana* L. D. Benson [*Opuntia martiniana* (L.D. Benson) Parfitt].]

Makarick, Lori J.

NO DATE 19.2680 *Tamarisk management and tributary restoration.* U.S. National Park Service, Grand Canyon National Park, 2 pp. [January 2007.]

NO DATE 19.2896 *Tamarisk management in Grand Canyon: Past challenges, current efforts, and future direction.* U.S. National Park Service, Grand Canyon, National Park, poster. [*Ca.* 2008.]

2003 19.2450 *Fall 2003 report for tamarisk eradication and restoration of 63 tributaries in Grand Canyon National Park.* Flagstaff, Arizona: Grand Canyon National Park, 24 pp. + appendices. (Arizona Water Protection Fund Contract No. 99-075WPF.)

2005 19.2537 A menace threatens Grand Canyon's biodiversity! *Boatman's Quarterly Review*, 18(3) (Fall): 20-21.

► Sahara mustard.

2005 19.2676 *May 2005 monitoring report (revised on August 20, 2005) : management and control of tamarisk and other invasive vegetation at backcountry seeps, springs and tributaries in Grand Canyon National Park (first year of Phase II of comprehensive project). Arizona Water Protection Fund Contract Number 05-131WPF.* U.S. National Park Service, Grand Canyon National Park; and Grand Canyon National Park Foundation, SEPARATELY PAGINATED SECTIONS.

2005 19.2729 Tamarisk eradication, monitoring, and photomonitoring plan for the Colorado River. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 66-75. [CD also accompanies full report.]

2005 19.2731 Pre-tamarisk eradication monitoring in the Colorado River tributaries. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff,

Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 84-93. [CD also accompanies full report.]

2007 19.2663 From an email to GCRG dated April 20, 2007. *In:* Dear Eddy [SECTION]. *Boatman's Quarterly Review*, 20(2) (Summer): 5.

▶ Sahara mustard eradication.

2008 19.2693 Come join the Sahara mustard pull—March 28th. *Boatman's Quarterly Review*, 21(1) (Spring): 6-7.

2011 19.3414 Tamarisk leaf beetle update: Stepping up monitoring efforts. *Boatman's Quarterly Review*, 24(3) (Fall): 10-11.

2015 19.4654 Granite Camp—an update from the field. *Boatman's Quarterly Review*, 28(1) (Winter 2014-2015 [*sic*, Spring 2015]): 17.

▶ Granite Camp Pilot Stewardship Project; revegetation.

[Makarick, Lori J.]

2006 19.4625 *Taking back the Grand Canyon from tamarisk (saltcedar) infestation.* [No place]: Invasive Weed Awareness Coalition, 1 p. (APN 06-15-002-0062B.) [Fact sheet.]

Makarick, Lori J., AND King, Emily

2002 19.2205 Himalaya blackberry removal project. *Nature Notes* (Grand Canyon National Park), (Spring): 8.

Makarick, Lori J., AND Kloeppel, Heidi

2005 19.2677 *Final report for tamarisk eradication and restoration of 63 tributaries in Grand Canyon National Park : Arizona Water Protection Fund Contract Number 99-075WPF*. U.S. National Park Service, Grand Canyon National Park, and Grand Canyon Wildlands Council, SEPARATELY PAGINATED SECTIONS [106 pp. total] + CD-ROM. ("This report, including Appendices, is included on the accompanying compact disk. The Disk also contains a complete set of the project photographs and maps.")

2005 19.2734 Tamarisk eradication and post tamarisk eradication monitoring along the Colorado River tributaries. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 113-146. [CD also accompanies full report.]

Makarick, Lori J., AND Watters, Kate

2006 19.2678 *Fall 2006 report : management and control of tamarisk and other invasive vegetation at backcountry seeps, springs and tributaries in Grand Canyon National Park (Phase II-A, first year of Phase II of comprehensive project) : Arizona Water Protection Fund Contract Number 05-131WPF*. U.S. National Park Service, Grand Canyon National Park, [49] pp.

2007 19.2679 *Fall 2006 report : management and control of tamarisk and other invasive vegetation at backcountry seeps, springs and tributaries in Grand Canyon National Park (Phase II-B, second year of Phase II of comprehensive project) : revised May 2, 2007—Final Version : Arizona Water Protection Fund Contract Number 06-138WPF*. U.S. National Park Service, Grand Canyon National Park, [43] pp.

Makarick, Lori J.; Dow, Talise; AND Kolegas, Stacy

2010 19.3122 Tamarisk beetle found within Grand Canyon National Park. *Canyon Views* (Grand Canyon Association), 16(1) (Spring): 3-4. [First author's name misspelled Mackarick.]

Makarick, Lori J.; Leap, Lisa; Chesher, Greer; Felger, Tracey; AND White, Sara

2002 19.2675 *Tamarisk management and tributary restoration, Grand Canyon National Park, Arizona : Environmental Assessment/Assessment of Effect.* U.S. National Park Service, Grand Canyon National Park, 104 pp. [Document preparers listed on p. 71.]

Makarick, Lori J.; Moran, Mary; AND Naumann, Tamara

2010 19.3902 Planning for and living with the tamarisk beetle on the Colorado Plateau—a National Park Service perspective [ABSTRACT]. *2010 Tamarisk Symposium, January 12 and 13, Two Rivers Convention Center, Grand Junction, Colorado*.

Makarick, Lori J.; Watters, Kate; AND Huisinga, Kristin

2006 19.2618 That Grand Canyon plant guide. *Boatman's Quarterly Review*, 19(1) (Spring): 7. [Item signed also as "The Charley's Angels of Botany".]

Mallory, Deb

2018 19.6417 Non-minutes from the non-regular meeting, May 10, 2018. *Succulent Morsels* (Chinle Cactus and Succulent Society, Grand Junction, Colorado), 10(6) (June): 10.

► Notes relating to the cactus prospecting field trip to the Marble Canyon area, Arizona. See also Anonymous (2018, ITEM NO. 19.6416).

Malusa, James

1992 19.949 Phylogeny and biogeography of the pinyon pines (*Pinus* subsect. *Cembroides*). *Systematic Botany*, 17(1): 42-66.

Mann, John

1969 19.6364 Cactus-feeding insects and mites. *U.S. National Museum, Bulletin 256*, 158 pp.

► See *Chelindea vittiger* Uhler (pp. 131-133), "general occurrences" (p. 132) include Lees Ferry, Arizona; *Cactylopius confusus* Cockerell (pp. 147-148), "Material found on the low-growing *O[puntia]. basilaris* at Lees Ferry and the Grand Canyon in northern Arizona probably represents this species." (p. 147) (ENTIRE NOTES)

Mann, R. K.; Barger, N.; Baird, D.; Hinck, J. E.; Karban, C.; McCormick, M.; Munson, S.; Reisor, R.; Whitcomb, H.; AND Duniway, M.

2019 19.6286 Vegetation response in reclamation studies on highly disturbed lands across the Colorado Plateau [ABSTRACT]. *In: 15th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region : theme: "Science and Solutions for Conserving the Southwest's Land, Water, Biodiversity and Cultures" : September 9-12, 2019, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 68-69.

► Includes Arizona Strip.

Mantgem, Phillip J. van; Falk, Donald A.; Williams, Emma C.; Das, Adrian J.; AND Stephenson, Nathan L.

2018 19.5956 Pre-fire drought and competition mediate post-fire conifer mortality in western U.S. national parks. *Ecological Applications*, doi:10.1002/eap.1778.

► Includes Grand Canyon National Park.

Marquiss, Robert W.

1967 19.3818 *Influence of seedbed microclimates on soil moisture retention in sagebrush rangelands.* Doctoral dissertation, University of Arizona, 169 pp.

► Vicinity of Fredonia, Arizona.

Martin, K. J., AND Gilbertson, R. L.

1978 19.5055 Decay of Douglas-fir by *Sparassis radicata* in Arizona. *Phytopathology*, 68 (February): 149-154.

► Specimens examined include one, on ponderosa pine, from V. T. Lake, Kaibab Plateau.

Martin, Paul S.

1971 19.964 Trees and shrubs of the Grand Canyon: Lee's Ferry to Diamond Creek. *River Runner News*, (June 9).

Martin, Paul S., AND Drew, Charles M.

1970 19.967 Additional scanning electron photomicrographs of southwestern pollen grains. *Arizona Academy of Science, Journal*, 6(2): 140-161.

► See pp. 144-145, figures 50A-D [p. 157]. [*NOTE*: The paper to which this is an addition (Martin & Drew, 1969, *Arizona Academy of Science, Journal*, 5(3): 147-176) does not include Grand Canyon regional material.]

Martin, Steven L.; Theimer, Tad C.; AND Fulé, Peter Z.

2005 19.5007 Ponderosa pine restoration and turkey roost site use in northern Arizona. *Wildlife Society Bulletin*, 33(3): 859-864.

► Uinkaret Mountains.

Marzolf, G. Richard

1999 19.2356 Effects of flooding on plant production downstream from Glen Canyon Dam. *U.S. Geological Survey, Fact Sheet 060-99*, 2 pp.

Marzolf, G. Richard; Bowser, Carl J.; Hart, R. J.; AND Flynn, M. E.

2000 19.2419 Variations in production/respiration in the tailwater reach of the Colorado River below Glen Canyon Dam [ABSTRACT]. *North American Benthological Society, Annual Meeting, Keystone, Colorado, 2000.*

Maschinski, Joyce

1991 19.4232 Our unique Arizona flora: Arizona leather flower. *The Plant Press* (Arizona Native Plant Society), 15(3/4) (Fall/Winter): 9.

► Notes occurrence in "Kaibab National Forest near Tusayan". Also notes, "Kearney and Peebles report that the plant is found on the south rim of Grand Canyon, but recent confirmations of these populations have not been made." (ENTIRE NOTE)

1993 19.970 Integrated conservation strategies for recovery of sentry milkvetch at the South Rim of Grand Canyon National Park. *In:* Rowlands, Peter G., Riper, Charles van, III, and Sogge, Mark K. (eds.), *Proceedings of the First Biennial Conference on Research in Colorado Plateau National Parks.* U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-93/10, pp. 101-108.

2015 19.4751 Integrated conservation strategies for recovery of sentry milkvetch at the South Rim of Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 10.

Mason, Charles T., Jr.

1998 19.971 Gentianaceae; gentian family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 84-95.

1999 19.1941 Aristolochiaceae; pipevine family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 24-25.

1999 19.1942 Bignoniaceae; bignonia family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 26-28.

1999 19.1943 Cannabaceae; hemp family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 54-54.

1999 19.1944 Saururaceae; lizard's-tail family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 83-84.

Massatti, Rob

NO DATE 19.6600 *Genetically-informed seed transfer zones for* Cleome lutea *and* Machaeranthera canescens *across the Colorado Plateau and adjacent regions : cooperator report for the Bureau of Land Management's Colorado Plateau Native Plant Program.* Flagstaff, Arizona: U.S. Geological Survey, Southwest Biological Science Center, 9 pp. [2020.]

Massatti, Rob; Belus, Matthew T.; Dowlatshahi, Shahed; AND Allan, Gerard J.

2018 19.5990 Genetic analyses of *Astragalus* sect. *Humillimi* (Fabaceae) resolve taxonomy and enable effective conservation. *American Journal of Botany*, 105(10) (October): 1703-1711 + 2 appendices online (2 pp.).

► Genetic diversity of *A. cremnophylax* and *A. humillimus*. South Rim and North Rim of Grand Canyon.

Massatti, Rob; Winkler, Daniel; Reed, Sasha; Duniway, Mike; Munson, Seth; AND Bradford, John

NO DATE 19.6219 *Supporting the development and use of native plant materials for restoration on the Colorado Plateau (Fiscal Year 18 report).* [No imprint], 11 pp. [2019.] [Title-sheet includes the logos of U.S. Bureau of Land Management, U.S. Geological Survey, and Colorado Plateau Native Plant Program.]

Mast, Joy Nystrom, AND Waring, Gwendolyn

1997 19.973 Dendrochronological analysis of Goodding willows in Grand Canyon National Park. *In:* Riper, Charles van, III, and Deshler, Elena T. (eds.), *Proceedings of the Third Biennial Conference of Research on the Colorado Plateau*. U.S. National Park Service, Transactions and Proceedings Series, NPS/NRNAU/NRTP-97/12, pp. 115-127.

▶ *Salix gooddingii* Ball.

2015 19.4760 Dendrochronological analysis of Goodding willows in Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 31.

Mast, Joy Nystrom, AND Wolf, Joy J.

2004 19.2484 Ecotonal changes and altered tree spatial patterns in lower mixed-conifer forests, Grand Canyon National Park, Arizona, U.S.A. *Landscape Ecology*, 19(2) (March): 167-180.

Matchett, J. R.; Brooks, Matt; Deuser, Curt; Smith, Helen; AND Bastian, Henry

2005 19.2598 Comparison of thinning techniques for pinyon-juniper encroached shrublands on the Shivwits Plateau, Arizona [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 62.

Mathiasen, Robert L., AND Kenaley, Shawn C.

2019 19.6565 A morphological comparison of *Arceuthobium abietinum* and *A. campylopodum* (Viscaceae) and nomenclatural changes for *A. abietinum*. *Botanical Research Institute of Texas, Journal*, 13(1) (July 23): 83-101.

▶ See "*Arceuthobium abietinum* (Engelm.) Engelm. ex Munz subsp. *abietinum*" (pp. 96-97). Sampled localities for *A. abietinum* (Engelm.) Engelm. ex Munz f. sp. *concoloris* Hawksw. & Wiens ("recombined herein to *A. abietinum* subsp. *abietinum*" [p. 85]) include: "3 km S of jct. to Point Imperial on Cape Royal Road, North Rim Grand Canyon Natl. Park", "Bright Angel Point, North Rim Grand Canyon Natl. Park", and "Grandview Point South, Rim Grand Canyon Nat. Park [*sic*]".

Mathis, Allyson

2008 19.2993 Hermit road native plant restoration; park vegetation crews use multiple techniques to restore native vegetation. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 6 (October), http://www.nps.gov/grca/naturescience/cynsk-v06.htm

2008 19.2994 Native plants student intern from Northern Arizona University assists vegetation program. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 7 (November), http://www.nps.gov/grca/naturescience/cynsk-v07.htm.

► Deon Ben.

2008 19.2792 Restoring Hermit Road: Grand Canyon's vegetation program at work. *Canyon Views* (Grand Canyon Association), 14(4) (Winter 2008/2009): 10-12.

2010 19.3090 Grand Canyon National Park takes steps to recover the endangered sentry milk-vetch. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 16 (January), http://www.nps.gov/grca/naturescience/cynsk-v16.htm

2010 19.3195 Private Boaters team up with NPS staff to rehabilitate Lees Ferry's private boaters campsite. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 17 (February), http://www.nps.gov/grca/naturescience/cynsk-v17.htm.

► Grand Canyon Private Boaters Association.

2010 19.3303 Grand Canyon Association grant provided by the National Parks Conservation Association supports Grand Canyon's vegetation volunteer program. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 20 (September), http://www.nps.gov/grca/naturescience/cynsk-v20.htm

2011 19.4163 Grand Canyon NP reaches milestones in endangered species recovery. *Arrowhead* (U.S. National Park Service, Employees and Alumni Association), 18(3) (Summer/Fall): 5, 8.

► Humpback chub [fish] and sentry milk-vetch [plant].

Mathis, Allyson, AND Busco, Janice K.

2011 19.3524 Stewardship for the small: Recovery efforts for the sentry milk-vetch. *Canyon Views* (Grand Canyon Association), 18(4) (Winter): 4-5.

Mathis, Allyson; Makarick, Lori; AND Busco, Jan [Busco, Janice K.]

2009 19.3015 Native plant restoration at the S. Rim Visitor Center. *Canyon Sketches eMagazine* (Grand Canyon National Park), Volume 14 (October), http://www.nps.gov/grca/naturescience/cynsk-v14.htm

Mathis, Allyson; Makarick, Lori; AND Healy, Brian

2012 19.3797 Controlling invasive species along the Colorado River in Grand Canyon National Park. *RMS Journal* (River Management Society), 25(2) (Summer): 4-5, 15.

Mattern, Rüdiger

1997 19.6331 Frostharte Agaven. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 48(10) (October): 230-233. [In German.]

► See p. 232, notices of the author's long success with field-cultivating agaves, including, "*A*[*gave*]. *utahensis* var. *kaibabensis*, Kaibab Plateau (Grand Canyon), Arizona, 12 Jahre alt Größe 55 cm, bis -21° C (Abb. 2)" (figure 2, p. 231). (ENTIRE NOTE)

Mattes, William Patrick

1993 19.974 *An evaluation of habitat conditions and species composition above, in, and below the Atomizer Falls complex of the Little Colorado River.* Master's thesis, University of Arizona, 105 pp.

May, Roy H., Jr. [May, Roy]

2024 19.6820 The Bailey biological survey of the Grand Canyon. *The Ol' Pioneer* (Grand Canyon Historical Society), 35(1) (Winter): 5-14.

► 1928, 1929, 1931. Includes botanical notes.

McAtee, W. L.

1911 19.3405 Woodpeckers in relation to trees and wood products. *U.S. Department of Agriculture, Biological Survey, Bulletin 39*, 99 pp.

► See under "List of Betulaceae Attacked", p. 31: "Hop hornbeam (*Ostrya knowltoni*).—Talfrey, Ariz. (A. A. and A. M. 349)." (ENTIRE NOTE) This is Tolfree post office, at Hance's, Grand Canyon. *Ostrya knowltonii* Cov.

McAuliffe, Joseph R., AND Hodgson, Wendy

2007 19.6982 Scientific value of herbarium vouchers of botanical garden living collections. *In: 3rd Global Botanic Gardens Congress, Wuhan, China, April 16-20, 2007*, 3 pp.

► "Another example of many examples concerns a type of prickly-pear. Clover and Jotter (1941) collected and described *Opuntia longiareolata* from the Grand Canyon of Arizona. Benson (1982 [*Cacti of the U.S. and Canada*]) viewed this taxon as dubious at best, perhaps representing a lone anomaly, since it was only known from one collection. Live and herbarium material collected by [Desert Botanical] Garden staff from 1947 to 2000 provided evidence that it was a valid taxon and was included in *Flora of North America* (Pinkava 2003) and that it is the dominant prickly-pear in the Grand Canyon and Glen Canyon. All of the plants, with the exception of the 1947 collection, still exist in the Garden's living collection, and all are vouchered as herbarium specimens." (p. 2)

McCallum, Kim; Beaty, Mark; AND Mitchell, Brent

2014 19.4617 *First order lidar metrics: A supporting document for lidar deliverables.* [No place]: U.S. Forest Service, 12 pp.

► Pertains to Lidar Tool Kit processing to "generate metrics appropriate for describing unique vegetation types with significantly different canopy structure characteristics." Includes Kaibab Plateau lidar dataset collected in 2012.

McCauley, Lisa A.; Bradford, John B.; Robles, Marcos D.; Shriver, Robert K.; Woolley, Travis J.; AND Andrews, Caitlin A.

2022 19.6720 Landscape-scale forest restoration decreases vulnerability to drought mortality under climate change in southwest USA ponderosa forest. *Forest Ecology and Management*, 509(120088), 9 pp. + Supplementary Data online. (https://doi.org/10.1016/j.foreco.2022.120088).

► Four Forests Restoration Initiative.

McCauley, R. A.

2017 19.5856 Phylogeography of *Ostrya knowltonii* (Betulaceae) across the American Southwest and northwestern Mexico identifies relictual elements of a widespread Neogene forest community [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 103-104.

McCleary, James A.

1955 19.2206 A gall midge infesting *Opuntia phaeacantha*. *Saguaroland Bulletin* (Desert Botanical Garden of Arizona, Phoenix), (June/July): 69-72.

1961 19.6434 Notes on the Hepaticae of Arizona. *The Bryologist*, 64(4) (Winter): 380-383.

► Includes reports of:
Porella platyphylla (L.) Lindb., "North Rim of the Grand Canyon, Kanabownits Springs, 8300 ft. (*Rose Collom*)"
Marchantia polymorpha L., "3600 ft. at Clear Creek, Grand Canyon"
Riccia fluitans L., "In water of a seep-spring below the Second Falls, Havasu Canyon, Coconino Co. (*Elwood Blakley*)" (ENTIRE NOTES).

1962 19.2150 Distributional studies of Arizona mosses. *American Midland Naturalist*, 67(1): 68-78.

McClintock, Elizabeth

1952 19.978 Botanizing in Toroweap Valley in northern Arizona. *Asa Gray Bulletin*, New Series, 1(4) (October): 359-368.

McCormick, Molly

2012 19.4401 Phantom Ranch gets botany training. *Pinyon Press* (Xanterra South Rim, L.L.C., Grand Canyon), 2012(3) (February 8): 4-5.

McCoy, Amy LaFerne

2009 19.3823 *Riparian dynamics: The ebb and flow of ecological function.* Doctoral dissertation, University of Arizona, 163 pp.

► Includes Grand Canyon.

McCoy-Sulentic, Miles E.; Kolb, Thomas E.; Merritt, David M.; Palmquist, Emily; Ralston, Barbara E.; AND Sarr, Daniel A.

2017 19.5563 Variation in species-level plant functional traits over wetland indicator status categories. *Ecology and Evolution*, 7: 3732-3744 + supplemental data online, https://doi.org/105066/F7BV7DTQ.

► Colorado River, Lees Ferry to Diamond Creek.

McCoy-Sulentic, Miles E.; Kolb, Thomas E.; Merritt, David M.; Palmquist, Emily; Ralston, Barbara E.; Sarr, Daniel A.; AND Shafroth, Patrick B.

2017 19.5401 Changes in community-level riparian plant traits over inundation gradients, Colorado River, Grand Canyon. *Wetlands*, 37(4) (August): 635-646.

► Lees Ferry to Diamond Creek.

McCue, Kimberlie

2013 19.6144 Only in Arizona; searching for the state's unique botanical treasures. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 67(3) (September): 16-21.

McCulloch, Clay Y.

2025 19.7011 Cliffrose browse yield on bulldozed pinyon-juniper areas in northern Arizona. *Journal of Range Management*, 19(6): 373-374.

► *Cowania mexicana* var. *stansburiana* (Torr.) Jepson. Observations on winter deer range, west side of North Kaibab.

McCullough, D. G., AND Wagner, M. R.

1987 19.2286 Influence of watering and trenching ponderosa pine on a pine sawfly. *Oecologia*, 71(3): 382-387.

McDougall, Walter B.

1947 19.981 Checklist of plants of Grand Canyon National Park. *Grand Canyon Natural History Association, Bulletin 10*, 126 pp.

► Supersedes Patraw (1936, ITEM NO. 19.1275). See also errata and addenda (McDougall, 1948, ITEM NO. 19.982). For later checklists see Barbara G. Phillips *et al.* (1987, ITEM NO. 19.1318) and Brian (2000, ITEM NO. 19.1981).

1948 19.982 Plants of Grand Canyon National Park—errata and addenda. *Grand Canyon Natural History Association, Bulletin 10, Supplement*, 8 pp.

1964 19.983 Grand Canyon wild flowers. *Museum of Northern Arizona, Bulletin 43*, 259 pp.

1973 19.985 *Seed plants of northern Arizona : with keys and detailed descriptions for the identification of families, genera and species.* Flagstaff, Arizona: Museum of Northern Arizona, 594 pp.

McDougall, Walter B., AND Stockert, John

1966 19.986 New plants for Arizona from Grand Canyon National Park and Marble Canyon. *Plateau*, 39: 102-103.

► New records, not new species.

McGivney, Annette

2014 19.4451 Putting down roots. As the vegetation-program manager for Grand Canyon National Park, Lori Makarick's mission is to preserve and restore the park's unique biotic

communities—no small task, since there are more then 1,700 different plant species spread over 1.2 million acres. (Photograph by John Burcham.) *Arizona Highways*, 90(8) (August): 50-51.

McGivney, Annette, AND Pajak, Eirini

2018 19.5705 In search of ancient agaves. *Arizona Highways*, 94(2) (February): 38-43.

► Principally in the area of Sedona, Arizona, but includes remarks on Grand Canyon flora.

McGlone, Christopher M., AND Egan, Dave

2009 19.3028 The role of fire in the establishment and spread of nonnative plants in Arizona ponderosa pine forests: A review. *Arizona-Nevada Academy of Science, Journal*, 41(2): 75-86.

McGlone, Christopher M.; Springer, Judith D.; AND Covington, W. Wallace

2009 19.3970 Cheatgrass encroachment on a ponderosa pine forest ecological restoration project in northern Arizona. *Ecological Restoration*, 27 (March): 37-46.

McGlone, Christopher M.; Stoddard, Michael T.; Springer, Judith D.; Daniels, Mark L.; Fulé, Peter Z.; AND Covington, W. Wallace

2012 19.3764 Nonnative species influence vegetative response to ecological restoration: Two forests with divergent restoration outcomes. *Forest Ecology and Management*, 285 (December): 195-203.

► Includes Mount Trumbull.

McHenry, Donald Edward

NO DATE 19.987 (ARRANGER) *Index to check-list of plants of Grand Canyon National Park, Technical Bulletin no. 6, Pauline Mead Patraw.* [No imprint], 10 pp.

► See Patraw (no date, ITEM NO. 19.1270).

1932 19.988 Spring is near. *Grand Canyon Nature Notes*, 6(5) (March): 39-40.

► Includes list of plants observed on a hike to Indian Garden.

1932 19.989 Sagebrush in Grand Canyon National Park. *Grand Canyon Nature Notes*, 7(1): 6-7.

1932 19.990 Prince's plume, a new mustard record. *Grand Canyon Nature Notes*, 7(2): 16-18.

1932 19.993 Demonstration life zone gardens. *Grand Canyon Nature Notes*, 7(8) (November): 81-85.

► Lower Sonoran, Upper Sonoran, and Canadian life zone gardens planted by Yavapai Observation Station.

1932 19.994 Quaking aspen at Grand Canyon. *Grand Canyon Nature Notes*, 7(9) (December): cover, 87-90.

1933 19.995 Gambel oaks at Grand Canyon. *Grand Canyon Nature Notes*, 7(12) (March): 124-125.

1933 19.997 Woodland parks on the North Rim. *Grand Canyon Nature Notes*, 8(7) (October): 195-198.

1934 19.1001 Canadian zone plants on the South Rim of Grand Canyon. *Grand Canyon Nature Notes*, 9(4) (July):.

1934 19.1002 Does mistletoe kill the trees at Grand Canyon[?] *Grand Canyon Nature Notes*, 9(5) (August): 305-309.

1935 19.1004 Quaking aspen—its future in the park. *Grand Canyon Nature Notes*, 9(10) (January): 361-365.

1994 19.1008 Spring is near. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 49-50.

▶ Reprinted from *Grand Canyon Nature Notes*, March, 1932.

1994 19.1009 Prince's plume: a new mustard record. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 58-59.

▶ Reprinted from *Grand Canyon Nature Notes*, May, 1932.

1994 19.1010 Sagebrush in Grand Canyon National Park. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 63.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1932.

1994 19.1011 Gambel oaks at Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 72-73.

▶ Reprinted from *Grand Canyon Nature Notes*, March, 1933.

1994 19.1012 Quaking aspen at Grand Canyon. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 73-75. [Reprinted from *Grand Canyon Nature Notes*, December, 1932.]

1994 19.1013 Quaking aspen—its future in the park. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 75-76.

▶ Reprinted from *Grand Canyon Nature Notes*, January, 1935.

1994 19.1014 Does mistletoe kill the trees at Grand Canyon? *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 76-77.

▶ Reprinted from *Grand Canyon Nature Notes*, August, 1934.

2007 19.2652 Sagebrush in Grand Canyon National Park. *Canyon Views* (Grand Canyon Association), 13(1) (Spring): 4.

▶ Reprint of McHenry (1932).

McHugh, Charles W.; Kolb, Thomas E.; AND Wilson, Jill L.

2003 19.2860 Bark beetle attacks on ponderosa pine following fire in northern Arizona. *Environmental Entomology*, 32(3): 510-522.

▶ Study sites include Bridger Knoll Study Area on the Kaibab National Forest, North Kaibab Ranger District.

McKee, Barbara H. *see also* Hastings, Barbara

1932 19.1020 The yucca—sword-like yet friendly. *Grand Canyon Nature Notes*, 6(3) (January): cover, 23-25.

1994 19.1027 The yucca: swordlike yet friendly. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 63-64.

► Reprinted from *Grand Canyon Nature Notes*, January, 1932.

McKee, Edwin D.

1929 19.1038 Heralds of summer. *Grand Canyon Nature Notes*, 3(10) (June 30): 6-7.

► Birds, flowers, butterflies, insects.

1929 19.1043 Grand Canyon lichens. *Grand Canyon Nature Notes*, 4(4) (December 31): 27-29.

1931 19.1056 Additional notes on the Tanner Trail trip. *Grand Canyon Nature Notes*, 5(12) (October): 121-122.

► Natural history observations. See also Vernon Bailey, p. 119 in this issue (ITEM NO. 19.201). See also follow-up identification in 6(1) (November): 15 (Anonymous, 1931, ITEM NO. 19.62).

1931 19.1057 [Great Thumb.] *In:* Miscellany [SECTION]. *Grand Canyon Nature Notes*, 6(1) (November): 13.

► Junipers of Great Thumb Point. Also note of numerous juniper berries in coyote droppings here.

1934 19.1078 Pinyon nuts as bird feed. *Grand Canyon Nature Notes*, 9(2) (May): 272-273.

1934 19.1080 Botanical note. *Grand Canyon Nature Notes*, 9(5) (August): 315.

► Root system of prickly pear cactus from Coconino Wash.

1934 19.1081 Flora of Grand Canyon National Monument. *Grand Canyon Nature Notes*, 9(7 [*sic*, 6]) (September): cover, 316-321.

► "Material obtained on a reconnaissance trip for the purpose of making general observations, studies and collections of the biological and geological features of the region made during the period of April 8 to 14, 1934."

1994 19.1094 Botanical note. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 66-67.

► Reprinted from *Grand Canyon Nature Notes*, August, 1934; prickly pear cactus.

McKelvey, Susan Delano

1949 19.1945 A new *Agave* from Arizona. *Arnold Arboretum, Journal*, 30(3) (July): 227-230, 2 plates.

► *Agave kaibabensis*, new species, from the Kaibab Plateau.

McKinney, Ted; Rogers, Roland S.; AND Ayers, Andrew D.

1997 19.1115 Effects of experimental flooding on periphyton, diatom epiphytes and macroinvertebrates in the tailwater of a regulated river. *American Fisheries Society, 127th Annual Meeting, "Fisheries at Interfaces: Habitats, Disciplines, Cultures", 24-28 August 1997, Monterey, California, Abstracts: L-Z*, pp. 20-21.

McKinney, Ted; Rogers, Roland S.; Ayers, Andrew D.; AND Persons, William R.

1996 19.1116 Effects of experimental flooding on algae, macroinvertebrates, rainbow trout and flannelmouth suckers in the Glen Canyon Dam tailwater. *In:* Arizona Game and Fish Department, *The effects of an experimental flood on the aquatic biota and their habitats in the Colorado River, Grand Canyon, Arizona.* Phoenix: Arizona Game and Fish Department, pp. 10-1 to 10-30.

McKinnon, Taylor

2002 19.2349 Grand Canyon forests; a modern baseline for ecological restoration? *Colorado Plateau Advocate*, (Winter): 10-11.

McKinnon, Taylor, AND Aumack, Ethan

2005 19.2509 Leading the way on forest issues. *Colorado Plateau Advocate*, (Winter): 18, 29.

McLaughlin, Steven P. [McLaughlin, Steve]

1994 19.1118 Apocynaceae A. L. Juss.; dogbane family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 164-168.

2000 19.3883 Floras of Arizona national parks and monuments. VI. Pipe Spring National Monument. *The Plant Press* (Arizona Native Plant Society), 24(3) (Autumn): 5-7.

McMaster, Melissa A.

2010 19.3351 *Effects of fire and post-fire seeding on plant communities in a ponderosa pine forest.* Master's thesis, Northern Arizona University, 114 pp.

2013 19.4113 Granite Camp native plants are thriving. *Boatman's Quarterly Review*, 26(4) (Winter 2013-2014): 20.

McMaster, Melissa A., AND Cannon, Carrie

2018 19.5894 "Aha" a tree grows in the Grand Canyon. *Boatman's Quarterly Review*, 31(2) (Summer): 18-21.

► Replanting of cottonwoods, Gooding's willow, and coyote willow along the Colorado River on the Hualapai Indian Reservation. Also remarks on tamarisk removal and establishment of Gooding's willow and cottonwoods at Cardenas Camp.

McMaster, Melissa A., AND Chaudhry, Todd A.

2017 19.5897 Riparian rehabilitation along the Colorado River: Successes and challenges of a pilot project. *In:* Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian

and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, pp. 28-31.

► Pilot study in 2012 at Granite Camp, Grand Canyon National Park.

McMaster, Melissa A., AND Makarick, Lori

2011 19.3544 Northern tamarisk beetle update. *Boatman's Quarterly Review*, 24(4) (Winter 2011-2012): 24-26.

McMaster, Melissa A., AND Thode, Andrea

2008 19.5246 Effects on native plant regeneration and understory plant community response following post-fire rehabilitation with seeding in the Warm Fire [ABSTRACT]. *In: Wildfires and Invasive Plants in American Deserts : conference and workshops : The Grand Sierra Resort and Casino, Reno Nevada, December 9-11, 2008*, p. 37.

► Kaibab Plateau.

McMaster, Melissa A.; Chaudhry, Todd; Mathis, Allyson; Dierker, Jennifer; AND Rice, Steven

2012 19.3695 Granite Camp-Monument Creek pilot stewardship project. *Boatman's Quarterly Review*, 25(3) (Fall): 14-15, 43.

► Rehabilitation of native riparian plant community and wildlife habitat; experimentation with alternatives for tamarisk removal and revegetation; archaeological site stabilization.

McMaster, Melissa A.; Makarick, Lori; Greco, Deanna; Nance, Gayle; AND Bedford, Ashton

2013 19.5437 Restoration along the Colorado River in Grand Canyon National Park: Successes and challenges of a pilot project at Granite Camp [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 88.

McMaster, Melissa A.; Thode, Andrea; Brost, Brian; Williamson, Matthew; Aumack, Ethan; AND Mertz, Dave

2010 19.5267 *Changes in vegetation and fuels due to the Warm Fire on the Kaibab National Forest : final report to the Joint Fire Sciences Program, Project Number 07-1-2-18.* [No imprint], 38 pp. [Report cover includes the logos of Joint Fire Science Program; U.S. Forest Service; Northern Arizona University, School of Forestry; and Grand Canyon Trust.]

McNair, James B.

1925 19.2113 The geographical distribution in North America of poison ivy (*Rhus toxicodendron*) and allies. *American Journal of Botany*, 12(6): 338-350.

► Herbarium specimens are noted as follows: "*R. diversiloba*: . . . Grand Canyon, C. F. Millspaugh, F."; "*R. Rydbergii*: Bright Angel Canyon, U" (both p. 341). The distribution map (text-fig. 1, p. 339) pinpoints two gatherings in the area of interest here, at what appear to be Diamond Creek and at Grand Canyon village area.

Mead, Pauline [Mead, Polly] *see also* Pattraw, Pauline Mead

1930 19.1121 Our cactuses. *Grand Canyon Nature Notes*, 4(6) (April 30): 38-40.

1930 19.1122 Some Grand Canyon plants and their uses. *Grand Canyon Nature Notes*, 4(11) (September 30): contents page, 72-77.

1930 19.1123 Some Grand Canyon plants and their uses. *Arizona Wild Life* (Phoenix), 3 (December): 17.

1930 19.1124 Seeds of some Grand Canyon wild flowers. Grand Canyon Nature Notes, 4(12) (October 31): 84-89.

1930 19.1126 A winter-blooming goosefoot. *Grand Canyon Nature Notes*, 5(1) (November 30): 10-11.

1930 19.1128 Preliminary report on the germination of native wild flower seeds. *Grand Canyon Nature Notes*, 5(2) (December 31): 19-20.

1931 19.1130 Second report of the germination of native wild flower seeds. *Grand Canyon Nature Notes*, 5(3) (January): 28-29.

1931 19.1131 The first Spring flower. *Grand Canyon Nature Notes*, 5(4) (February): 36.

1931 19.1132 Third report on the germination of native wild flower seeds. *Grand Canyon Nature Notes*, 5(4) (February): 41-42.

1931 19.1133 The rock loving alum root. *Grand Canyon Nature Notes*, 5(5) (March): 47.

1931 19.1134 Fourth report on the germination of native wild flower seeds. *Grand Canyon Nature Notes*, 5(5) (March): 51-52.

1931 19.5384 [Early flowers.] *Grand Canyon Nature Notes*, 5(5) (March): 52.

► Indian paint brush bloom, March 27, east side of Maricopa Point. Purple milkvetch in bloom, March 29, east of Hermit's Rest.

1994 19.1136 Seeds of some Grand Canyon wildflowers. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 61-62.

► Reprinted from *Grand Canyon Nature Notes*, August, 1930.

1994 19.1137 Our cactuses. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 65-66.

► Reprinted from *Grand Canyon Nature Notes*, April, 1930.

Meen, A.

2000 19.3811 Grazing intensity and forage quality on the Arizona Strip. *Rangelands*, 22: 12-15.

2001 19.3812 Forage quality on the Arizona Strip. *Rangelands*, 23: 7-12.

Meko, David; Stockton, Charles W.; AND Boggess, William R.

1995 19.2344 The tree-ring record of severe sustained drought. *Water Resources Bulletin*, 31(5) (October): 789-801.

1995 19.4411 The tree-ring record of severe sustained drought. *In:* The Powell Consortium, *Severe sustained drought : managing the Colorado River system in times of water shortage.* [Tucson, Arizona]: Powell Consortium, pp. 789-801. (Powell Consortium Issue No. 1.)

► Facsimile reprint of article in *Water Resources Bulletin*, 31(5) (October), retaining original pagination.

Mélard, A.

1900 19.3378 *L'insuffisance de la production des bois d'œuvre dans le monde.* Paris: Imprimerie National, 119 pp. [In French.]

1901 19.3379 Insufficiency of the world's timber supply. (Continued from p. 366.) (F. Gleadow, translator.) *Indian Forester* (Allahabad), 27(8) (August): 397-411.

► The series is a translation of Mélard (1900, ITEM NO. 19.3378), which begins with 27(6) (June): 283. Only this part of Gleadow's translation pertains to this bibliography. See p. 406, a quotation by Mélard from an 1897 committee report published by [U.S.] National Academy of Sciences—as printed in Gleadow's translation: "(Page 20)—'In the grand Canyon [*sic*] reserve of Arizona, 2 or 3 square miles at one point near the edge of the Canyon, and one square mile at another point, have been enclosed by settlers in the last two years, or since the establishment of the reserve. Considerable quantities of wood are cut for local use, and mining establishments have been set up along the slopes of the Canyon. In the summer of 1895, the Howard Beef Company of Flagstaff pastured 5,000 sheep in this reserve.[']" (ENTIRE NOTE)

Meretsky, Vicky J., AND Stevens, Lawrence E.

1997 19.6920 Changes in paradise: spatio-temporal vegetation dynamics at Vaseys Paradise, Grand Canyon, Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 146.

Merkle, John

1952 19.1142 An analysis of a pinyon-juniper community at Grand Canyon, Arizona. *Ecology*, 33: 375-384.

1953 19.1143 An ecological analysis of the meadows on the Kaibab Plateau, Arizona. *American Philosophical Society, Year Book*, pp. 157-160.

1954 19.1144 An analysis of the spruce-fir community on the Kaibab Plateau, Arizona. *Ecology*, 35: 316-322.

1954 19.2208 *Beckmannia syzigachne* (Steud.) Fernald. New record for Arizona. *Madroño*, 12(1) (January): 32. [Near edge of Greenland Lake, North Rim of Grand Canyon.]

1962 19.1145 Plant communities of the Grand Canyon area, Arizona. *Ecology*, 43(4) (October): 698-711.

Merritt, David M., AND Shafroth, Patrick B.

2012 19.5258 Edaphic, salinity, and stand structural trends in chronosequences of native and non-native dominated riparian forests along the Colorado River, USA. *Biological Invasions*, 14(12) (December): 2665-2685.

Meyer, Walter H.

1938 19.3670 Yield of even-aged stands of ponderosa pine. *U.S. Department of Agriculture, Technical Bulletin 630*, 60 pp.

► See p. 3, *note 7*, "It is possible . . . that the yield tables presented here can be applied to the even-aged groups common in the pine stands of the Kaibab Plateau, through some modification of yield-survey technique and study of the relations between values such as number of trees or volume for the Kaibab stands and corresponding values of the normal-yield tables." (ENTIRE NOTE)

Middendorf, John

2000 19.1968 Let the camelthorn grow! *Boatman's Quarterly Review*, 13(2) (Spring): 44-45.

► See also comment by Greg Woodall, 13(3) (Fall): 7.

Mielke, James L.

1946 19.1160 Observations on *Coleosporium crowellii. Plant Disease Reporter*, 30(11): 422-423.

Mielke, James L., AND Davidson, Ross W.

1947 19.6685 Notes on some western wood-decay fungi. *Plant Disease Reporter* (U.S. Department of Agriculture, Bureau of Plant Industry, Soils, and Agricultural Engineering, Division of Mycology and Disease Survey), 31(1) (January 15): 27-30.

► See p. 28, *Lentinus lepideus* on *Picea engelmanni*, Grand Canyon North Rim; and pp. 28-29, *Polyporus circinatus* on *P. engelmanni*, Kaibab Plateau.

Millanes, Ana M.; Diederich, Paul; Westberg, Martin; AND Wedi, Mats

2016 19.5567 Three new species in the *Biatoropis usnearum* complex. *Herzogia* (Bryologisch-lichenologische Arbeitsgemeinschaft für Mitteleuropa), 29(2): 337-354.

► See *Biatoropis minuta*, new species (pp. 345-347), type from Spain; non-type specimens examined include "Grand Canyon National Park, North Rim, 6 km from State Highway 67 on the road to Cape Royal, 36°15'N, 112°01'W, 3.VIII.1991, M. Boykin 2410 (ASU)" (p. 347). Lichen-inhabiting fungi.

Millar, Heather

2004 19.2469 When aliens attack. How do you stop a troublesome species from taking root in remote corners of the Grand Canyon? One plant at a time. *Sierra*, 89(4) (July/August): cover, 3, 30-39, 63. [Cover tease: "A Grander Canyon; Whitewater and Weed-Whacking".]

► Tamarisk.

Miller, Dale E.; Skidmore, Peter B.; AND White, Dale J.

2001 19.3065 *White paper : channel design.* [No place]: Inter-Fluve, Inc., *for* Washington Department of Fish and Wildlife, 89+ pp.

► See p. 13, mention of Colorado River riparian habitat.

Miller, Russell B.

1981 19.2155 Hawkmoths and the geographic patterns of floral variation in *Aquilegia caerulea*. *Evolution*, 35(4) (July): 763-774.

► Sampling sites include Kaibab Plateau.

Miller, Ryan S.

2001 19.4187 *Determining differences in the spatial distribution of forest structure on the Kaibab Plateau : implications for forest management and the northern goshawk.* Master's thesis, Colorado State University at Fort Collins, 67 pp. + appendices [87 pp. total].

Mills, Laura E.

1929 19.1177 Mushrooms on the Kaibab. *Grand Canyon Nature Notes*, 4(1) (September 30): 3-4 and illustrations on page between pp. 4, 5.

1929 19.1178 Mariposa lily. *Grand Canyon Nature Notes*, 3(12) (August 31): cover, 1.

1994 19.1179 Mushrooms on the Kaibab. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 55-56.

► Reprinted from *Grand Canyon Nature Notes*, September, 1929.

1994 19.1180 Mariposa lily. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 57-58.

► Reprinted from *Grand Canyon Nature Notes*, August, 1929.

Mirov, N. T.

1967 19.1195 The genus *Pinus.* New York: Ronald Press Co., 602 pp.

Mitich, Larry W.

1969 19.6553 The agave, an emergency food plant. (Illustration by Dwight Breitbach.) *Cactus and Succulent Journal of Great Britain*, 31(1) (February): 34-35.

► Includes notes, *in passing*, of *Agave utahensis*, *A. kaibabensis*, and *A. deserti* in northern Arizona and Grand Canyon region. Illustration is of *A. utahensis*.

Moberg, Roland

2018 19.6618 Lichenes selecti exsiccati Upsalienses; fasc. 19 & 20 (nos 451-500). *Thunbergia* (Uppsala University, Museum of Evolution, Botany Section), (40) (October 22): 1-18.

► See p. 11: "481 *Phaeophyscia hirsuta* (Mereschk.) Essl.", Uppsala collection specimen cited: "USA. Arizona. Mohave Co., Grand Canyon Parashant National

Monument, north side of Mt. Trumbell [*sic*], along Aqueduct Trail. 36°25'36"N 113°07'42"W. Alt. 1876 m. On *Juniperus osteosperma*. 21 May 2003 leg. & det. T. H. Nash III (n. 43817)". Mount Trumbull; Grand Canyon-Parashant National Monument.

Moerman, Daniel E.

1998 19.3640 *Native American ethnobotany*. Portland, Oregon: Timber Press, Inc., 927 pp.

2010 19.3641 *Native American food plants : an ethnobotanical dictionary.* Portland, Oregon: Timber Press, Inc., 455 pp.

► "This abridged work is based on the author's Native American ethnobotany published by Timber Press, Inc. in 1998."

Molvar, Erik M.; Rosentreter, Roger; Mansfield, Don; AND Anderson, Greta M.

2024 19.6868 *Cheatgrass invasions: History, causes, consequences, and solutions.* Hailey, Idaho: Western Watersheds Project, 128 pp.

► Principal focus is on the Great Basin, but includes regional perspectives and note of "Uinkaret Mountains" (p. 50), *in passing*.

Monod, M. [Monod, Michel]

1983 19.6259 Monographie taxonomique des Gnomoniaceae (ascomycès de l'ordre des Diaporthales). I. *Beihefte zur Sydowia* (Horn, Niederösterreich, Austria), (Annales Mycologici, Ser. II), IX. Beiheft, 315 pp. [In French; species descriptions in botanical Latin and French.]

► "Thèse présentée à la Faculté des Sciences de l'Université de Lausanne" (doctoral dissertation; taxonomic acts validly published in this venue). Fungus. See pp. 98-99, figure 13,5 (p. 278), *Gnomonia quercus-gambellii*, new species; "North Rim of Grand Canyon, Arizona, 18 août 1973, Barr, 6095 (MASS, Holotype)." In synonymy is "*Gnomonia fasciculata* auct. non Fuckel: Barr, Mycologia Memoir 7: 49 (1978)".

Montgomery, H. A.

1934 19.5080 [Growth measurements of century plant flowerstalk on Tonto Plateau.] *In:* Miscellaney [*sic*] [SECTION]. *Grand Canyon Nature Notes*, 9(3) (June):.

1994 19.1225 [Growth measurements of century plant on Tonto Plateau.] *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 65.

► Reprinted from *Grand Canyon Nature Notes*, June, 1934.

Moore, Diane B., AND Cole, Jane B.

2004 19.2475 Arizona's local floras and plant lists: A bibliography with locations and maps. *Arizona-Nevada Academy of Science, Journal*, 37(1): 1-55 [entire number].

Moore, Ken; Davis, Bob; AND Duck, Timothy

2003 19.3423 Mt. Trumbull Ponderosa Pine Ecosystem Restoration Project. *In:* Fire, fuel treatments, and ecological restoration; conference proceedings; Fort Collins, Colorado, April 16-18, 2002. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-29*, pp. 117-132.

Moore, Margaret M., AND Deiter, D. A.

1992 19.1227 Stand density index as a predictor of forage production in northern Arizona pine forests. *Journal of Range Management*, 45(3) (May): 267-271.

► Kaibab Plateau.

Moore, Margaret M., AND Huffman, David W.

2001 19.5885 Aspen encroachment on meadows of the North Rim, Grand Canyon National Park [ABSTRACT]. *In:* Sheppard, Wayne D., Binkley, Dan, Bartos, Dale L., Stohlgren, Thomas J., and Eskew, Lane G. (compilers), Sustaining Aspen in Western Landscapes: symposium proceedings, 13-15 June 2000, Grand Junction, CO. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings, RMRS-P-18*, p. 119.

2004 19.2710 Tree encroachment on meadows of the North Rim, Grand Canyon National Park, Arizona, U.S.A. *Arctic, Antarctic, and Alpine Research*, 36(4): 474-483.

Moore, Margaret M.; Covington, W. Wallace; AND Fulé, Peter Z.

1999 19.2534 Reference conditions and ecological restoration: A southwestern ponderosa pine perspective. *Ecological Applications*, 9(4): 1266-1277.

► Study sites include "Mt. Trumbull near Fredonia, Arizona, managed by the Bureau of Land Management" and "Grand Canyon National Park, managed by the National Park Service".

Moore, Michael

1979 19.1228 *Medicinal plants of the mountain west.* Santa Fe, New Mexico: Museum of New Mexico Press, 200 pp.

1989 19.1229 *Medicinal plants of the desert and canyon west.* Santa Fe, New Mexico: Museum of New Mexico Press, 184 pp.

1990 19.1230 *Los remedios : traditional herbal remedies of the Southwest.* Santa Fe, New Mexico: Red Crane Books, 108 pp.

Moran, Reid

1994 19.1231 Crassulaceae; stonecrop family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 190-194.

Morgart, John Raymond

1990 19.3834 *Desert bighorn sheep forage relationships in the Virgin Mountains, Arizona.* Doctoral dissertation, University of Arizona, 230 pp.

Mork, Lauren A.; Sisk, Thomas D.; AND Aumack, Ethan N.

2011 19.4792 Livestock grazing following wildfire: Understory community response in an upland ponderosa pine forest. *In:* Riper, Charles van, III, Villarreal, Miguel L., Riper, Carena J. van, and Johnson, Matthew J. (eds.), *The Colorado Plateau V : research, environmental planning, and management for collaborative conservation.* Tucson: University of Arizona Press.

► Kaibab Plateau.

2015 19.4793 Livestock grazing following wildfire: Understory community response in an upland ponderosa pine forest [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 164-165.

► Kaibab Plateau.

Mortenson, Susan G.

2009 19.4902 *Plant community invasibility in riparian landscapes: Role of disbturbance, geomorphology, and life history traits.* Doctoral dissertation, University of Nevada at Reno, 155 pp.

► *Tamarix*, *Salix*, beavers, and flow regimes of the Colorado River through Grand Canyon.

Mortenson, Susan G.; Weisberg, Peter J.; AND Ralston, Barbara E.

2008 19.2706 Do beavers promote the invasion of non-native *Tamarix* in the Grand Canyon riparian zone? *Wetlands*, 28(3) (September): 666-675.

Mortenson, Susan G.; Weisberg, Peter J.; AND Stevens, Lawrence E.

2006 19.2938 Hydrogeomorphic factors influencing the establishment and distribution of *Tamarix* in Grand Canyon National Park [ABSTRACT]. *2006 Tamarisk Research Conference: Current Status and Future Directions, October 3-4, 2006, Fort Collins Hilton, Fort Collins, Colorado : abstracts—Session 2: Sedimentation and Geomorphic Processes*, p. 1.

2012 19.3682 The influence of floods and precipatation on *Tamarix* establishment in Grand Canyon, Arizona: Consequences for flow regime restoration. *Biological Invasions*, 14(5) (May): 1061-1076.

Mouat, David A., AND Johnson, R. Roy

1978 19.6890 An inventory and assessment of wildlife habitat in Grand Canyon National Park using remote sensing techniques. *In:* Berger, Michael E. (ed.), PECORA IV; proceedings of the symposium; application of remote sensing data to wildlife management; October 10-12, 1978, Sioux Falls, South Dakota. *National Wildlife Federation, Scientific and Technical Series*, (3):105-113.

► Vegetational analysis, with application to game management.

1981 19.6376 Vegetation inventories and interpretation of environmental variables for resource management: Grand Canyon National Park, a case study. *In:* Lund, H. Gyde, Caballero, Miguel, Hamre, R. H., Driscoll, Richard S., and Bonner, William (technical

coordinators), Arid Land Resource Inventories: Developing Cost Effective Methods. Inventarios de recursos de tierras aridas: Desarrollo de metodos eficientes en costos. An international workshop, November 30-December 6, 1980, Laz Paz, Mexico. *U.S. Forest Service, General Technical Report WO-28*, pp. 300-308. [With abstract also in Spanish.]

Mouat, David A.; Mortensen, B. Kim; Reichhardt, Karen L.; AND Warren, Peter L.

1979 19.6459 Vegetation mapping at Grand Canyon National Park: An analysis of techniques [ABSTRACT]. *In: Abstracts : 2nd Conference on Scientific Research in the National Parks, 26-30 November 1979, San Francisco, California.* [No imprint], p. 105.

Mouat, David A.; Mortensen, B. Kim; Reichhardt, Karen L.; Warren, Peter L.; AND Mortensen, B. K.

1979 19.6944 Vegetation mapping at Grand Canyon National Park: An analysis of techniques. *In: Proceedings of the Second Conference on Scientific Research in the National Parks. Volume 4: Resource analysis and mapping. San Francisco, California, November 26-30, 1979*, pp. 97-109.

Muench, David

1993 19.1234 Patterns in nature; a portfolio by David Muench. *Arizona Highways*, 69(4) (April): 20-29.

► See: "Aspens tower above billows of bracken fern near the Grand Canyon", pp. 28-29.

Mulford, A. Isabel

1896 19.2115 A study of the agaves of the United States. *Missouri Botanical Garden, Annual Report*, 1896: 47-100.

► See particularly "*A. Utahensis* Engelm." (pp. 77-79), which notes, "Abundant throughout Northern Arizona on the Colorado plateau, the rocks in the Grand Cañon being covered with the plants.—Plate 32." Of specimens examined notes, "Mrs. A. P. Thompson, Kanab, 1872; J. G. Lemmon, Peach Springs, June, 1884, flowers in 6's with rudiments of two more; H. H. Rusby, Peach Springs, 1883, scape flexuous at nodes; J. W. Toumey, Grand Cañon, 1894." Also places in synonymy (pp. 78-79) "*A. Newberryi* Engelm.", specimen "Peach Springs, Northwest Arizona, Dr. J. S. Newberry, March, 1848 [*sic*], altitude 4,000 feet."; the date should be March 1858, during the Ives expedition.

Munns, E. N.

1938 19.1236 The distribution of important forest trees of the United States. *U.S. Department of Agriculture, Miscellaneous Publication 287*, 176 pp.

► See Maps 8, 9, 13, 32, 33, 38, 44, 69, 107, 113, 134, 140.

Munz, Philip A.

1949 19.5578 The *Oenothera hookeri* group. *El Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 2(1) (April 27): 1-47.

► See: *Oenothera hookeri* subsp. *hirsutissima* (Gray) Munz, grad. nov. [gradus novum; new grade], pp. 18-21, Plate 2, figures C-H (p. 20), specimens examined include "Grand Canyon, *J. W. Toumey in 1892* (NY)"

Oenothera longissima Rydb. subsp. *typica* Munz, nom. nov. [new name], pp. 45-46, Plate 8 (p. 44), type from Utah, other material examined includes specimens from "Bright Angel Trail, Indian Gardens, Grand Canyon Nat. Park, *C. B. Wolf 3185* (BH,CAS,DS,GH), *Eastwood 3725* (CAS).

Oenothera lonissima Rydb. subsp. *clutei* (A. Nels. Munz., stat. nov. [status novum, new status]), pp. 46-47, type from Navajo Mountain, other material examined includes "1 mile north of Point Royal, Kaibab Forest, Grand Canyon Natl. Park, *Munz 17030* (POM); north rim of Grand Canyon, *Eastwood & Howell 6991* (CAS,POM)."

Murphy, Alexandra

1994 19.4891 *Graced by pines : the ponderosa pine in the American West.* (Illustrated by Robert Petty.) Missoula, Montana: Mountain Press Publishing Co., 119 pp.

Museum of Northern Arizona

1951 19.1240 *Plants of northern Arizona.* Northern Arizona Society of Science and Art, Reprint Series, (1), 52 pp.

► Collection of reprinted articles.

Musto, D. T.; Schoenecker, K. A.; AND Aldridge, C. L.

2022 19.6837 Effects of plains bison (*Bison bison bison*) herbivory on grassland structure and function on the North Rim of Grand Canyon National Park, Arizona [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 130-131.

N

Nabhan, Gary Paul; Joaquin, Angelo, Jr.; Laney, Nancy; AND Dahl, Kevin

1996 19.3288 Sharing the benefits of plant resources and indigenous scientific knowledge. *In:* Brush, Stephen B., and Stabinsky, Doreen (eds.), *Valuing local knowledge : indigenous people and intellectual property rights.* Washington, D.C.: Island Press, 186-208.

► See "Havasupai Sunflowers", pp. 198-199.

Nabhan, Gary Paul; Pynes, Patrick; AND Joe, Tony [Joe, Tony H., Jr.]

2002 19.6427 Safeguarding species, languages, and cultures in the time of diversity loss: From the Colorado Plateau to global hotspots. *Missouri Botanical Garden, Annals*, 89(2) (Spring): 164-175.

Nabhan, Gary Paul; Whiting, Alfred; Dobyns, Henry; Hevly, Richard; AND Euler, Robert

1981 19.4353 Devil's claw domestication: Evidence from southwestern Indian fields. *Journal of Ethnobiology*, 1(1) (May): 135-164.

Nagler, Pamela L.; Barreto Muñoz, Armando; Sall, Ibrahima; Lurtz, Matthew R.; AND Didan, Kamel

2023 19.6752 Riparian plant evapotranspiration and consumptive use for selected areas of the little Colorado River watershed on the Navajo Nation. *Remote Sensing* (MDPI: Multidisciplinary Digital Publishing Institute, Basel, Switzerland), 15(52), https://doi.org/10.3390/rs15010052, 37 pp.

► Data include the entire watershed on the Navajo and Hopi reservations, and the Little Colorado River corridor to its confluence with the Colorado River.

Nagler, Pamela L.; Glenn, Edward P.; Jarnevich, Catherine S.; AND Shafroth, Patrick B.

2009 19.5701 Distribution and abundance of saltcedar and Russian olive in the western United States. *In:* Shafroth, Patrick B., Brown, Curtis A., and Merritt, David M. (eds.), Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, pp. 7-31.

Nagler, Pamela L.; Nguyen, Uyen; Bateman, Heather L.; Jarchow, Christopher J.; Glenn, Edward P.; Waugh, William J.; AND Riper, Charles van, III

2018 19.5554 Northern tamarisk beetle (*Diorhabda carinulata*) and tamarisk (*Tamarix* spp.) interactions in the Colorado River basin. *Restoration Ecology*, 26(2) (March): 348-359 + Supporting Information online at https://onlinelibrary.wiley.com/doi/abs/10.1111/rec.12575.

Nagler, Pamela L.; Shafroth, Patrick B.; LaBaugh, James W.; Snyder, Keirith A.; Scott, Russel L.; Merritt, David M.; AND Osterberg, John

2009 19.5700 The potential for water savings through the control of saltcedar and Russian olive. *In:* Shafroth, Patrick B., Brown, Curtis A., and Merritt, David M. (eds.), Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, pp. 33-47.

Nahstoll, Nancy

1986 19.1241 (*ASSISTED BY* M. Lyman, D. A. House, and F. Lojko) Report on mesquite and acacia survival along the Colorado River in Grand Canyon National Park. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 198-204.

Naiman, Robert J., AND Décamps, Henri

1997 19.2643 The ecology of interfaces: Riparian zones. *Annual Review of Ecology and Systematics*, 28: 621-658.

► See p. 642.

Nash, Thomas H.

1974 19.2116 Chemotaxonomy of Arizonan lichens of the genus *Parmelia* subgen. *Xanthoparmelia*. *Torrey Botanical Club, Bulletin*, 101(6) (November/December): 317-325.

Nelson, Aven

1934 19.1244 Rocky Mountain Herbarium studies. II. *American Journal of Botany*, 21: 573-582.

► Includes "*Purpusia Osterhoutii* Aven Nelson, new species" (p. 574); "The type of this novelty is Mr. George E. Osterhout's no. 7103, Bright Angel Trail, Grand Canyon, Arizona, June 22, 1928."

Nesom, Guy L.

2009 19.4919 Taxonomic overview of *Eurybia* Sect. *Herrickia* (Asteraceae: Astereae). *Botanical Research Institute of Texas, Journal*, 3(1): 161-167.

► See "Taxonomic status of *Aster glaucodes* subsp. *pulcher* Blake" (pp. 165-166), which notes distribution in the Grand Canyon region, including herbarium specimens from "Havasupai Canyon and roughly between Havasupai Canyon and Bright Angel Canyon, e.g.: *Eurybia glauca*: *Clover 4513, 5136, 7018* (LL), *Deaver 1524, 2135, 2677, 2944, 3053* (ASC), *Hodgson 16026* (ASC); *Eurybia pulchra*: *Clover 7189* (LL), *Deaver 3042* (ASC), *Rink 4455, 4477a* (ASC), *Stevens s.n.* [14 Aug 1992], *s.n.* [27 Sep 1992] (ASC)."

2014 19.4325 Taxonomy of *Erythranthe sect. Erythranthe* (Phrymaceae). *Phytoneuron*, 31: 1-41.

► Grand Canyon, pp. 19, 20, 39.

New York Botanical Garden

1903 19.3407 Plants. *In:* Accessions [SECTION]. *New York Botanical Garden, Journal*, 4(41) (May): 93-94.

► See p. 94: "29 succulents for the conservatories. (Collected by Dr. D. T. MacDougal in the Grand Cañon and Williams, Ariz.)" (ENTIRE NOTE)

1903 19.3404 Museums and herbarium. *In:* Accessions [SECTION]. *New York Botanical Garden, Journal*, 4(42) (June): 108.

► "2 specimens of the wood of *Ostrya Knowltonii* from Grand Cañon, Arizona. (Collected by Dr. D. T. MacDougal.)" (ENTIRE NOTE)

Nguyen, Uyen

2015 19.5615 *Multiscale remote sensing analysis to monitor riparian and upland semiarid vegetation.* Doctoral dissertation, University of Arizona, 296 pp.

► Includes an approach to map Colorado River riparian vegetation in the Grand Canyon area.

Nguyen, Uyen, AND Sankey, Joel B.

2015 19.5974 Remote sensing approach to map riparian vegetation of the Colorado River ecosystem, Grand Canyon area, Arizona [ABSTRACT]. *American Geophysical Union, 2015 Fall Meeting, San Francisco, California, 14-18 December*, Abstract B43C-0580.

Nguyen, Uyen; Glenn, Edward P.; Dang, Thanh Duc; AND Pham, Lien T. H.

2019 19.6165 Mapping vegetation types in semi-arid riparian regions using random forest and object-based image approach: A case study of the Colorado River ecosystem, Grand Canyon, Arizona. *Ecological Informatics*, 50 (March): 43-50.

Nichol, A. A. [Nichol, Andrew A.]

1937 19.1246 The natural vegetation of Arizona. *University of Arizona, Agricultural Experiment Station, Technical Bulletin 68*, pp. 181-222.

1943 19.5673 The natural vegetation of Arizona. *University of Arizona, Agricultural Experiment Station, Technical Bulletin 68 (Reprint)*, pp. 181-222.

Nichols, George E.

1914 19.3651 The International Phytogeographic Excursion in America. *Torreya*, 14(4) (April): 55-64.

► Excursion of summer 1913. See p. 64, note on two days spent at Grand Canyon.

Nigro, Giulio

2018 19.6058 Estudi sobre la sequera i els boscos. *Informació 211* (Associación Naturalista Torrellenca, Torrelles de Llobregat, Spain), (September): [14]. [In Catalan.]

► Regarding the research published by Lloret and Kitzberger (2018, ITEM NO. 19.6057). Includes photo by Ben Javelina, "Un exemplar de Pinus edulis sobre el Grand Canyon dels EUA".

Niles, Wesley Everett

1968 19.4330 *Taxonomic investigations in the genera* Peritylе *and* Laphamia *(Family* Compositae*).* Doctoral dissertation, University of Arizona, 168 pp.

► See *Laphamia congesta* M. E. Jones, pp. 127-131, including distribution notes for Grand Canyon area.

Nitzschke, Stefan, AND Bechara, Carmen

2017 19.5818 *Navajoa peeblesiana* Croizat in habitat. *Xerophilia* (Bucharest, Romania), 2(21) (June): 55-64. [In English.]

► Cactus.

Noss, Reed F.; Franklin, Jerry F.; Baker, William L.; Schoennagel, Tania; AND Moyle, Peter B.

2006 19.4486 Managing fire-prone forests in the western United States. *Frontiers in Ecology and the Environment*, 4(9): 481-487.

► Includes Grand Canyon North Rim.

Nyeggen, Hans; Skage, Jan-Ole; AND Østgård, Åge

2008 19.6356 Juletrekvalitetar i eit utval av fjelltre frå Nord-Amerika og Aust-Asia. *Forskning fra Skog og Landskap* (Norsk Institutt for Skog og Landskap, Ås, Norway), 3/08, 20 pp. [In Norwegian.]

► Includes trees from Kaibab National Forest, but without indication of ranger district. Refer also to Skage *et al.* (2012, ITEM NO. 19.6357), which notes trees from "De Motte, Kaibab".

O'Donnell, Frances C.; Flatley, William T.; Springer, Abraham E.; AND Fulé, Peter Z.

2015 19.4870 Linking forest landscape management and climate change to the conversation [*sic*] of riparian habitat in the Grand Canyon: Part II. Hydrologic modeling [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 65.

► Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon. For Part I see Flatley *et al.* (2015, ITEM NO. 19.4853).

2017 19.5900 Linking forest landscape management and climate change to the conservation of riparian habitat in the Grand Canyon. *In:* Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, pp. 84-88.

Ogilvie, Alan G.

1913 19.1254 Impressions of the vegetation in the United States of America. *In:* The American Transcontinental Excursion of 1912. *Geographical Journal*, 42(4) (October): 344-357, 359-360, map.

O'Kane, Steve L., Jr.

2007 19.2857 *Physaria scrotiformis* (Brassicaceae), a new high-elevation species from southwestern Colorado and new combinations in *Physaria*. *Novon*, 17: 376-382.

► Under "New Combinations and Status Changes" see p. 380, *Physaria kingii* (S. Watson) O'Kane & Al-Shehbaz subsp. *kaibabensis* (Rollins) O'Kane, stat. nov. Basionym: *Lesquerella kaibabensis* Rollins, Contr. Gray Herb. 211: 110. 1982. *Physaria kaibabensis* (Rollins) N. H. Holmgren, Brittonia 56(3): 247. 2004. TYPE: U.S.A. Arizona: Coconino Co., 18.6 mi. S of Jacob Lake on rd. to the N entrance to Grand Canyon Natl. Park, 8 June 1979, R. C. Rollins & K. W. Rollins 79191 (holotype, GH; isotypes, BRY, MO, NY, UC, US)."

Olberding, Susan Deaver

1998 19.1256 Prospecting for turpentine in northern Arizona. *The Ol' Pioneer* (Grand Canyon Pioneers Society), 9(3) (September/December): 12-13.

► Fort Valley Forest Experiment Station.

2018 19.6109 *Stewards of the forest and range : a history of the U.S. Forest Service in Arizona.* Flagstaff, Arizona: Fort Valley Publishing, 158 pp.

Olberding, Susan Deaver; Mitchell, John E.; AND Moore, Margaret M.

2005 19.2869 "Doing the best we could with what we had": USFS range research in the Southwest. *Rangelands*, 27(3) (June): 29-36. [U.S. Forest Service.]

Oldřich, Fencl

2014 19.4629 Az amerikai délnyugat nemzeti parkajai. *Debreceni Pozsgástár* (Receptaculum Succulentarum Debrecemiense, Hungaria) (Magyar Kaktusz és Pozsgás Társaság Közhasznú Egyesület), 17(4) (December): cover, 3, 4-19. [Hungarian Cacti and Succulents Society, Debrecen, Hungary.] [In Hungarian.]

► Fourth and last installment of a series. This installment includes Grand Canyon and House Rock Valley.

Olmon, Kirstin Elena

2013 19.5300 *Vascular plant flora of the Upper Basin and Coconino Rim, Kaibab National Forest, Tusayan Ranger District, Coconino County, Arizona.* Master's thesis, Northern Arizona University, 217 pp.

2014 19.5463 McDougall Herbarium (MNA) Museum of Northern Arizona, Flagstaff. *The Plant Press* (Arizona Native Plant Society), 37(1) (Summer): 17.

O'Meara, Scott; Larsen, Deena; AND Owens, Chetta

2009 19.5703 Methods to control saltcedar and Russian olive. *In:* Shafroth, Patrick B., Brown, Curtis A., and Merritt, David M. (eds.), Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, pp. 65-102.

Ontl, Todd, AND Salywon, Andrew

2008 19.3839 Endemic plants of Arizona: A working list. *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 10-11.

► Overview.

Ornduff, Robert, AND Denton, Melinda

1998 19.1261 Oxalidaceae; oxalis family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 115-119.

Osife, Maiya Laree

2013 19.6536 Pakoon Springs: The rehabilitation continues. *Southern Paiute-Parashant Bulletin* (U.S. Bureau of Land Management and U.S. National Park Service, Grand Canyon-Parashant National Monument), 1 (July): 6-7. [*NOTE*: As noticed on p. 1, Osife is the author of the entirety of this inaugural issue.]

Ottley, Alice M.

1944 19.2117 The American Loti with species consideration of a proposed new section, Simpeteria. *Brittonia*, 5(2) (September 8): 81-123.

► See: *Lotus utahensis* Ottley, new species (pp. 108-109), type from "west of Carmel, Utah"; specimens examined include "MOHAVE: Mocaic Pass, *Edw. Palmer 93* (NY in 1877. This is not conspecific with *Palmer 94*, US 23791, which is Rydberg's type of *Lotus longebracteatus*). COCONINO: s. of Jacob's Lake, Kaibab Forest, *Ferguson & Ottley 5568* (Wel); 34 mi. n. of Canyon Lodge [*i.e.*, Grand Canyon Lodge], yellow pine and fir association, 8950 ft. alt., *Ferguson & Ottley 5578* (Wel) ; rocky hillside, yellow pine association, north rim of Grand Canyon, *Ferguson & Ottley 5571* (Wel, a possible contamination with *L. Wrightii*). YUMA: (?) Buckskin Mountains, 9000 ft. alt., *M. E. Jones 6052g*, Sept. 17, 1894 (US, Cla with no number)." (Ottley adds the following footnote regarding the "Yuma County" record: "I have been unable to determine from a perusal of Jones' account of his collection of 1894 given in the *Contributions to Western Botany*, No. 7, 1895, whether or not the Buckskin Mountains where he collected on Sept. 15, 17, 18, 20, and 21 are in Yuma County, Arizona. The only mountains of that name that we find on the maps are in that county, but they are considerably farther south than any of the other localities for *L. utahensis*. We doubt if the Yuma County mountains are the ones to which Jones refers, especially since he was collecting near Carmel, Utah, on Sept. 13 and on Sept. 16 and 23 at or near Springdale, Utah." [Accordingly, this record, particularly given its 9000-ft altitude, must refer to the Kaibab Plateau.])

Lotus wrightii (Gray) Greene (pp. 113-115), which includes the following material examined: "COCONINO . . . Colorado Plateau, Grand Canyon, *L. Ward*, June 9, 1901 (US); in open forest of *Pinus ponderosa*, *Artemisia tridentata*, and *Bouteloua gracilis*, 9 mi. s. of Grand Canyon, *H. M. Hall*, Sept. 27, 1920 (Berk); 5 mi. e. of El Tovar Hotel, Grand Canyon, 7200 ft. alt., *Ferguson & Ottley 4997* (Wel); 1 mi. w. of Grand View Point, 7400 ft. alt., *Ferguson & Ottley 4998* (Wel); rim of Grand Canyon, *A. Hitchcock*, July 1, 1915 (US); Grand Canyon, *V. Rattan*, July, 1912 (Cla, Wel); in pine forest, ibid., 7000 ft. alt., *E. C. Jaeger*, Aug., 1923 (Cla); Kaibab Forest, *E. C. Jaeger* (Cla 160123); roadside bank, north rim, Grand Canyon, 8400 ft. alt., *Ferguson & Ottley 5570*, prostrate to erect (Wel); Kaibab National Forest, Grand Canyon, 2100-2500 m. alt., *Eggleston 10219* (US); common, pine forest, vicinity of Jacob's Lake, 7509 ft. alt., *Maguire & Maguire 12262* (Ut); yellow pine association, Jacob's Lake, 7500 ft. alt., *Cottam 2637* (By); 3 mi. n. of Jacob's Lake, 8100 ft. alt., *Ferguson &*

Ottley 5581, not quite typical, may have a trace of *L. utahensis* (Wel). MOHAVE: dry hills, oak association, Mt. Dellenbaugh [Shivwits Plateau], 7000 ft. alt., *Cottam 4155* (By); dry hills, oak association, w. of Mt. Dellenbaugh, 5800 ft. alt., Cottam 4169 (By)".

Lotus rigidus × *wrightii* (pp. 115-116) with the following specimens examined: "MOHAVE: 6 mi. n. of Wolf Hole, 4900 ft. alt., *S. B. Benson 51* (Berk); Peach Springs, *M. E. Jones*, May 26, 1884 (Cla 28289); *M. E. Jones*, [see Ottley footnote] May 26, 1884 (Cla 28292, 28283); Truxton Canyon, *Peebles & Kearney 11298* (US); Hackberry, *M. E. Jones*, May 26, 1884 (Ja). (The footnote just mentioned reads: " It would appear probable from the date that the specimens were collected either in the vicinity of Peach Springs or of Hackberry.")

Lotus utahensis × *wrightii* (p. 116) with the following specimens examined: "COCONINO: eight mi. n.w. of Jacob's Lake, Kaibab Forest, *F. W. Peirson 7366* (Cla); under yellow pines, 8 mi. n.w. of Jacob's Lake, 7825 ft. alt., *Ferguson & Ottley 5582* (Wel); Jacob's Lake, 8200 ft. alt., *Ferguson & Ottley 5580* (Wel); Kaibab Forest, e. of Jacob's Lake, 7800 ft. alt., *Ferguson & Ottley 5566* (Wel); Kaibab Forest, *E. C. Jaeger*, July 7, 1927 (Cla 159618); Grand Canyon, *M. V. Walcott* in 1935 (US)."

Lotus mearnsii Britton ex Greene (p. 120) with specimens examined including "COCONINO: Grand Canyon, Toumey, July 10, 1892 (Tu)".

Owczarek, P., AND Franklin, R.

2011 19.4290 Rock spiraea (*Petrophytum caespitosum*) from the Grand Canyon—habitat and growth rings. *In:* Maaten-Theunissen, Marieke van der, Spiecker, Heinrich, Gärtner, Holger, Heinrich, Ingo, and Helle, Gerhard (eds.), *TRACE : Tree Rings in Archaeology Climatology and Ecology : Volume 9 : proceedings of the DENDROSYMPOSIUM 2010, April 22nd-25th, 2010 in Freiburg, Germany*, pp. 84-88. (Volume: *Deutsches GeoForschungsZentrum, Scientific Technical Report STR11/07.* Potsdam: Helmholtz-Zentrum Potsdam.)

► Study area on the southwestern rim of the Kaibab Plateau.

Ownbey, Gerald B.

1958 19.1264 Monograph of the genus *Argemone* for North America and the West Indies. *Torrey Botanical Club, Memoirs*, 21(1), 159 pp.

► See *Argemone munita* Dur. & Hilg. subsp. *rotundata* (Rydb.) G. B. Ownb., stat. nov. (pp. 77-82) including the following specimens examined: "Coconino Co.: Hermit Trail, Grand Canyon, *Eastwood* 5862 (CAS); same loc., *Eastwood* 5862a (CAS, GH); Nagle's Ranch (Kaibab Plateau), alt. 7600 ft., *Jones* 6054d (POM, US) . . . Jacob Lake, Kaibab Plateau, *Mead* 670 (US); 14.1 miles e. of Jacob Lake in vicinity of House Rock, *Ownbey & Ownbey* 1816 (ARIZ, COLO, GH, MIN, EM, UC, UTC, US); 25.6 miles e. of Grand Canyon (village) on road to Cameron, Ownbey & Ownbey 1820 (MIN)."

Argemone arizonica G. B. Ownb., sp. nov. (pp. 91-93, figure 14), "Holotype: *Alice Eastwood & John T. Howell* 1003, from Grand Canyon National Park, 'Kaibab Trail to Roaring Springs,' Arizona, June 23, 1933 (CAS; isotype, POM); specimens examined are "Bright Angel Trail, Grand Canyon of the Colorado River, *Eastwood* 3679 (CAS); Kaibab Trail to Roaring Springs, *Eastwood & Howell* 7070 (CAS) ; Bright Angel Trail, alt. 4800 ft., *Goldman* 2221 (US); in the Grand Canyon of the Colorado, *Knowlton* 271 (US); Grand Canyon, alt. 2000-3000 ft., *McDougal* 240 (US); Kaibab Trail, about 3 miles from north terminus, *Ownbey & Ownbey* 1817 (ARIZ, CAS, COLO, F, GH, K, MIN, MO, NEW MEX, NY, POM, RM, SMU, TEX, UC, US)."

Argemone corymbosa Greene subsp. *arenicola* G. **B. Ownb., subsp. nov.** (pp. 118-120), type from Utah; specimens examined include "Coconino Co.: Houserock Valley, *Eastwood & Howell* 6984 (CAS); in desert just w. of Lees Ferry, *McKelvey* 4448 (GH); Navajo Bridge to House Kock Valley, alt. 5100 ft., *Kearney & Peebles* 13622

(NY, US); 11.2 miles s. of 'The Gap' (Hwy. 89), *Ownbey & Ownbey* 1813 (ARIZ, COLO, GH, MIN, NEW MEX, POM, RM, UC, UTC, US); 13.2 miles s. of Navajo Bridge, *Ownbey & Ownbey* 1814 (BRY, CAS, MIN, NY, RSA, WIS); 11.6 miles s.w. of Navajo Bridge, *Ownbey & Ownbey* 1815 (ARIZ, GH, MICH, MIN, OKL, SMU, WS); 21.8 miles s.w. of Navajo Bridge (Hwy. 89), *Ownbey & Ownbey* 1815a (COLO, K, MIN, TEX); . . . near Navajo Bridge, alt. 3400 ft., *Peebles* 13019 (US) ; same locality, alt. 3900 ft., *Peebles* 13022 (US)."

See also distribution maps, p. 143.

Ownbey, Gerald B.; Brasher, Jeffrey W.; AND Clark, Curtis

1998 19.1265 Papaveraceae; poppy family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 30(2): 120-132.

P

Pady, Stuart M.

1942 19.1343 Distribution patterns in *Melampsorella* in the national forests and parks of the western states. *Mycologia*, 34(6) (November/December): 606-627.

Palmquist, Emily C.; Allan, Gerard J.; Ogle, Kiona; Whitham, Thoams G.; Butterfield, Bradley J.; AND Shafroth, Patrick B.

2021 19.6598 Riverine complexity and life history inform restoration in riparian environments in the southwestern U.S. *Restoration Ecology*, (April 23) https://doi.org/10.1111/rec.13418 + Supplementary Information online.

► Glen, Marble, and Grand Canyons and adjacent plateaus.

Palmquist, Emily C.; Allan, Gerard J.; Whitham, Thomas G.; Ogle, K.; Butterfield, Bradley J.; AND Shafroth, Patrick B.

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Palmquist, Emily C.; Butterfield, Bradley J.; AND Ralston, Barbara E.

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► Colorado River in Grand Canyon.

2017 19.5857 Landscape-scale processes influence riparian plant composition along a regulated river [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 126.

▶ Colorado River in Grand Canyon.

Palmquist, Emily C.; Ralston, Barbara E.; Sarr, Daniel; AND Johnson, Taylor C.

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▶ Colorado River in Glen Canyon, below Glen Canyon Dam.

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Parker, Douglas L.

1980 19.4738 *Integrated pest management guide : mountain beetle,* Dendroctonus ponderosae *Hopkins, in ponderosa pine, Kaibab Plateau, Arizona.* [No place]: U.S. Forest Service, Southwestern Region, 12 pp.

Parker, Douglas L., AND Stevens, Robert E.

1979 19.1266 Mountain pine beetle infestation characteristics in ponderosa pine, Kaibab Plateau, Arizona, 1975-1977. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note RM-367*, 4 pp.

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Patraw, Pauline Mead [Patraw, Polly] *see also* Mead, Pauline

NO DATE 19.1270 Preliminary check-list of plants of Grand Canyon National Park. *U.S. National Park Service, Grand Canyon National Park, Technical Bulletin 6*, 47 pp. [January 1932.]

► Revised edition distributed as *Grand Canyon Natural History Association, Bulletin 6* (revised) (see Patraw, 1936, ITEM NO. 19.1275). See also index by McHenry (no date, ITEM NO. 19.987).

1931 19.1271 Broom-rape, a root parasite. *Grand Canyon Nature Notes*, 5(7) (May): 66.

1931 19.1272 Where our cacti grow. *Grand Canyon Nature Notes*, 5(8) (June): cover, 71-72.

1931 19.1273 [Yellow lily, *Eremocrinum albomarginatum*.] *Grand Canyon Nature Notes*, 5(10) (August): 105.

► Found east of Grand Canyon village, July 15; first record in Arizona.

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► Supersedes Patraw (no date, ITEM NO. 19.1270). For later ed. see McDougall (1947, ITEM NO. 19.981).

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1994 19.1277 Broomrape, a root parasite. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 57.

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Patraw, P. P. [Patraw, Preston P.]

1931 19.5390 [Two species of larkspur now in bloom on South Rim.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 69.

1931 19.5392 [Cliff rose blooming in sun along Hermit Rim Road.] *In:* Field Observations [SECTION]. *Grand Canyon Nature Notes*, 5(7) (May): 70.

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Paysen, Timothy E.; Ansley, R. James; Brown, James K.; Gottfried, Gerald J.; Haase, Sally M.; Harrington, Michael G.; Narog, Marcia G.; Sackett, Stephen S.; AND Wilson, Ruth C.

2000 19.5736 Fire in western shrubland, woodland, and grassland ecosystems. *In:* Brown, James K., and Smith, Jane Kapler (eds.), Wildland fire in ecosystems. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GRT-42-Volume 2*, pp. 121-159.

Payson, Edwin Blake

1921 19.3396 A monograph of the genus *Lesquerella*. *Missouri Botanical Garden, Annals*, 8(2) (April): 103-236.

► See *Lesquerella intermedia* (Wats.) Heller (pp. 205-207), specimens examined include: "Moran Point, Grand Canyon, June 9, 1901 , *Ward* (U. S. Nat. Herb.); Grand Canyon, May 24, 1903, *Grant 938* (Rky. Mt. Herb.); Grand Canyon, June 29, 1913, *Hitchcock 24* (U. S. Nat. Herb.); rim of Grand Canyon, July 1, 1915, *Hitchcock* (U. S. Nat. Herb.); Grand Canyon, June, 1915, *Macbride & Payson 952* (Rky. Mt. Herb.)".

L. arizonica Wats. (pp. 207-208), specimens examined include: Mokiak Pass, 1877, *Palmer 43* (Mo. Bot. Gard. Herb.); . . . Hackberry, May 26, 1884, *Jones 4371* (U. S. Nat. Herb.).

L. arizonica Wats. var. *nudicaulis* Payson (p. 208); specimen examined: "Buckskin Mountains, June 19, 1890, *Jones* (U. S. Nat. Herb. TYPE)."

Peabody, Frederick J.

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1926 19.1291 National Forests of the southwestern district. *In:* Shelford, Victor E. (ed.), *Naturalist's guide to the Americas.* Baltimore, Maryland: Williams and Wilkins Co., pp. 232-237.

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► Samples used in analysis include *Yucca angustissima* Engelm. ex Trel. and *Y. baccata* Torr. from Peach Springs, Arizona.

Pennell, Francis W.

1940 19.1297 New species of Scrophulariaceae from Arizona. *Notulae Naturae* (Academy of Natural Sciences of Philadelphia), (43) (May 15), 10 pp.

► See pp. 9-10, *Cordylanthus tenuifolis*, new species; "*Type.* Grand Canyon, Coconino County, Arizona, collected in flower August 24, 1919, by W. W. Eggleston, no. 15677a; in Herb. Academy of Natural Sciences of Philadelphia."

Petersen, Jan

1995 19.6351 En botanisk rejseskildring fra det vestlige USA, 1. del. *Kaktus* (Nordisk Kakktus Selskab) (Denmark), 30(2) (April): 27-32. [In Danish.]

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1975 19.1308 Flora of the Rampart Cave area, lower Grand Canyon, Arizona. *Arizona Academy of Science, Journal*, 10: 148-159.

1977 19.1309 A botanist's view. *Plateau*, 49(4): 10-17.

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Phillips, Arthur M., III, AND Jackson, Loretta

1997 19.1311 Effects of Colorado River test flow experiment on Hualapai traditional ethnobotanical resources. *Glen Canyon Dam beach/habitat-building flow : abstracts and executive summaries, April 1997* [symposium convened by the Grand Canyon Monitoring and Research Center, Department of the Interior, Flagstaff, Arizona, April 8-10, 1997, Flagstaff]. [No imprint, convenor from separate proceedings volume], pp. 96-104.

Phillips, Arthur M., III, AND Richardson, John

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Phillips, Arthur M., III, AND Weage, Diedre

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Phillips, Arthur M., III; Kennedy, Debra J.; Phillips, Barbara G.; AND Weage, Diedre

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Phillips, Barbara Goodrich

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1986 19.1317 Monitoring the effects of recreational use on Colorado River beaches in Grand Canyon National Park. *Museum of Northern Arizona, Bulletin 55*, 131 pp.

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1987 19.1318 Annotated checklist of vascular plants of Grand Canyon National Park, 1987. *Grand Canyon Natural History Association, Monograph 7*, 79 pp.

Phillips, Barbara G.; Phillips, Arthur M., III; AND Butterwick, Mary

1985 19.4319 *Recovery plan for the Brady pincushion catus* Pediocactus bradyi *L. Benson.* Flagstaff, Arizona: Museum of Northern Arizona, and Phoenix: U.S. Bureau of Land Management, Phoenix District Office, *for* U.S. Fish and Wildlife Service, Region 2, Albuquerque, New Mexico, 68 pp.

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Phillips, Fred

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Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 59-63. [CD-ROM also accompanies full report.]

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Phillips, Kirstin Olmon

2021 19.6949 Buried treasures: Interesting finds from the Museum of Northern Arizona Herbarium backlog. *Plant Press Arizona* (Arizona Native Plant Society), 44(1) (Spring/Summer): 1, 3-5.

► See p. 3, regarding plants, still unidentified, in the Alfred F. Whiting Ethnobotanical Collection, gathered from the Grand Canyon region and the Havasupai Indian Reservation during 1940 and 1941, and "prelminary herbarium sheet labels" noting ethnobotanical uses that were then correlated to specimens in the collection. Mentions finding Whiting's field notes "from his plant collecting trips with five Havasupai, Hopi, and Navajo native interpreters."

Phillips, Walter S.

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1947 19.6430 A check-list of the ferns of Arizona (conclusion). *American Fern Journal*, 37(2) (April/June): 39-51.

Pilkington, Lonnie H.

2022 19.6715 Upper Clear Creek gets a makeover: Stewardship on the GTS river trip. *Boatman's Quarterly Review*, 35(2) (Summer): 6.

► Remediation of invasive-vegetation at Upper Clear Creek camp on the Colorado River. Guides Training Seminar. See also adjacent article by Lynn Hamilton (p. 7), "For everything there is a season: A teachable moment", that explains that the remediation project was offensive to Hualapai cultural perspectives for being conducted at the wrong time of year.

Pilkington, Lonnie H.; Sankey, Joel B.; Boughter, Daniel L.; Preston, Taryn N.; AND Prophet, Cam C.

2022 19.6718 Parks look for ways to alleviate Glen Canyon Dam's downstream impacts; vegetation experiments are helping retore Colorado River sites in Grand Canyon and Glen Canyon. *Park Science* (U.S. National Park Service), 36(1) (Summer):.

Pinkava, Donald J.

1999 19.1946 Cactaceae; cactus family. Part Three. *Cylindropuntia* (Engelm.) Knuth; chollas. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 32-47.

1999 19.1947 Cactaceae; cactus family. Part Four. *Grusonia* F. Rchb.; club-chollas. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 48-52.

2003 19.2394 Cactaceae cactus family, part six. *Optunia* P. Miller, prickly-pears. *Arizona-Nevada Academy of Science, Journal*, 35(2): 137-150.

Pinkava, Donald J., AND Parfitt, Bruce D.

1982 19.4928 Chromosome numbers in some cacti of western North America. IV. *Torrey Botanical Club, Bulletin*, 109(2) (April/June): 121-128.

► Includes material collected on the Arizona Strip.

Pinkava, Donald J.; Baker, Marc A.; Parfitt, Bruce D.; Mohlenbrock, Mark W.; AND Worthington, Richard D.

1985 19.6915 Chromosome numbers in some cacti of western North America—V. *Systematic Botany*, 10(4) (October/December): 471-483.

► See p. 477, *Opuntia phaeacentha* [sic] Engelmann var. *phaeacantha*, n = 33, Arizona, coconino Co., Ranger Pass, T37N R1W S30, *Baker 4371, 4379 & Trushell"*. Ranger Pass is on the west flank of the Kaibab Plateau.

Pinkava, Donald J.; McLeod, M. G.; McGill, L. A.; AND Brown, R. C.

1973 19.3877 Chromosome numbers in some cacti of western North America—II. *Brittonia*, 25 (January/March): 2-9.

► Includes material collected near Pipe Spring National Monument, Arizona.

Pinkava, Donald J.; Rebman, Jon P.; AND Baker, Marc A.

1998 19.4735 Chromosome numbers in some cacti of western North America—VII. *Haseltonia*, (6): 32-41.

► Includes material collected from Peach Springs Canyon; near Bright Angel Campground, Grand Canyon; and Arizona Strip.

Pinney, Chris A.

1991 19.1340 *The response of* Cladophora glomerata *and associated epiphytic diatoms to regulated flow, and the diet of* Gammarus lacustris *in the tailwaters of Glen Canyon Dam.* Master's thesis, Northern Arizona University, 82 pp.

Polatschek, Adolf

2012 19.6328 Revision der Gattung *Erysimum* (Cruciferae), Teil 3: Amerika und Grönland. *Naturhistorischen Museums in Wien, Annalen* (Serie B, Botanik und Zoologie), 113 (April): 139-212. [In German.]

► See: *Erysimum repandum* L. (pp. 151-153), material examined includes "North End of Wolf-hole Valley" and "Cedar Ridge" (Arizona Strip)

E. bakeri Rydb. (p. 166), material examined includes "Off State Hwy. 67,20, [*sic*] 1 mi. S Jacob Lake"

E. desertorum (Woot. & Standl.) Rossbach (pp. 182-183), material examined includes "Arizona, between Williams and Grand Canyon" *(continued)*

E. radicatum Rydb. (pp. 187-188), material examined includes "Grand Canyon de Colorado, Bright Angel Trail" [*sic*, citing label in "G" = Conservatoire et Jardin botaniques de la Ville de Genève].

Pollard, Charles Louis

1894 19.3788 The genus *Cassia* in North America. *Torrey Botanical Club, Bulletin*, 21(5) (May 25): 208-222.

► See *Cassia crotalarioides* Kunth., pp. 211-212; notes specimen from Grand Canyon in the herbarium at Kew Gardens, England, gathered by [Henry] Moseley, 1884.

1894 19.3789 The genus *Cassia* in North America. *Columbia College, Herbarium, Contributions*, 3(55), paginated 208-222 [repeating the pagination of the item in the *Bulletin of the Torrey Botanical Club* (Pollard, 1894, ITEM NO. 19.3788)].

► See *Cassia crotalarioides* Kunth., pp. 211-212; notes specimen from Grand Canyon in the herbarium at Kew Gardens, England, gathered by [Henry] Moseley, 1884.

Pollock, Michael M., AND Suckling, Kieran

1995 19.1346 *An ecologically integrated approach to management of dwarf mistletoe (*Arceuthobium*) in southwestern forests.* Tucson: Southwest Center for Biological Diversity, 16 pp.

Pomeroy, Kimberly E.; Shannon, Joseph P.; AND Blinn, Dean W.

2000 19.2280 Leaf breakdown in a regulated desert river: Colorado River, Arizona, U.S.A. *Hydrobiologia*, 434 (September): 193-199.

Porter, J. Mark

1998 19.6781 *Aliciella*, a recircumscribed genus of Polemoniaceae. *Aliso* (Rancho Santa Ana Botanic Garden, Claremont, California), 17(1): 23-46.

► See: *Aliciella leptomeria* (A. Gray) J. M. Porter, new combination (pp. 38-40), representative specimens include "Arizona. Coconino Co.: US Hwy 89, 9.5 mi S Navajo Bridge, 18 May 1979, *Lehto & Lehto L23706* (NY)"

A. triodon (A. Eastwood) A. Brand (pp. 42-43), representative specimens include "Arizona. Coconino Co.: Buckskin Mtns., ca 18 mi S of US89, along W side of the Cockscomb, T41N, R3E, S21, 18 May 1973, *Atwood 4931*".

Porter, Marianne E.

2002 19.2374 *Riparian vegetation responses to contrasting managed flows of the Colorado River in Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 33 pp.

Porter, Marianne E., AND Kearsley, Michael J. C.

2001 19.4292 The response of salt cedar, *Tamarix chinensis*, to experimental flows in the Grand Canyon. *Hydrology and Water Resources in Arizona and the Southwest*, 31: 45-50.

2001 19.2061 Growth of exotic and native plants in near-shore habitats during the 2000 Low Steady Summer Flows [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the*

Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts. [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 27. (Glen Canyon Dam Adaptive Management Program.)

2001 19.5229 The response of tamarisk to experimental flows in Grand Canyon [ABSTRACT]. *In:* Forty fifth Annual Meeting, April 14, 2001, University of Nevada, Las Vegas, Las Vegas, Nevada. *Arizona-Nevada Academy of Science, Proceedings*, 36: 39.

Powell, A. Michael

1973 19.6389 Taxonomy of *Perityle* Section *Laphamia* (Compositae-Helenieae-Peritylinae). *Sida, Contributions to Botany* (Botanical Research Institute of Texas), 5(2) (May): 61-128.

► See *Perityle congesta* (M. E. Jones) Shinners (pp. 100-102). Representative specimens include numerous specimens gathered in and near Grand Canyon.

Price, Peter W.; Stevens, Lawrence E.; Blinn, Dean W.; AND Nelson, Clay B.

1997 19.5504 *Endangered Kanab ambersnail use of native and non-native host plants in Grand Canyon, Arizona : September 1997 annual technical and administrative report : NAU Project No. BIO 351Z.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, *for* Northern Arizona University, Sponsored Project Coordinator, [unpaginated].

Pucherelli, Michael J.

1986 19.4458 *Evaluation of riparian vegetative trends in the Grand Canyon using multitemporal remote sensing techniques : terrestrial biology of the Glen Canyon Environmental Studies.* Denver: U.S. Bureau of Reclamation, 10+ pp. [76 pp. total]. (PB88-183470.)

1986 19.1348 Evaluation of riparian vegetative trends in the Grand Canyon using multitemporal remote sensing techniques. *In: American Society for Photogrammetry and Remote Sensing and American Congress on Surveying and Mapping, Fall Convention, Anchorage, AK, Sept. 28-Oct. 3, 1986 : technical papers.* Falls Church, Virginia: American Society for Photogrammetry and Remote Sensing, pp. 172-181.

1988 19.5509 Evaluation of riparian vegetation trends in the Grand Canyon using multitemporal remote sensing techniques. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 217-228.

Puente, Raul, AND Daniel, Thomas F.

2001 19.2028 Garryaceae silk tassel family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 31-34.

Puente, Raul, AND Faden, Robert B.

2001 19.2029 Commelinaceae spiderwort family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 19-26.

Q

Quartaroli, Richard D.

2005 19.2517 (RESEARCHER) Ocotillo; *Fouquieria splendens*—Ocotillo or Candlewood Family. *Boatman's Quarterly Review*, 18(2) (Summer): 16-17.

► Research project of Kristin Huisinga, Lori Makarick, and Kate Watters (see Huisinga *et al.*, 2006, ITEM NO. 19.2619).

2009 19.2999 Grand Canyon's other Rose and first botanist. *Canyon Views* (Grand Canyon Association), 15(3) (Fall): 4-5.

► Rose E. Collom, botanist.

2009 19.3034 (RESEARCHER) Ocotillo. *Grand Canyon River Runner*, (9) (Fall): 6-7. [Reprinted from Quartaroli (2005, ITEM NO. 19.2517).]

2018 19.5936 The Grand Canyon Rose: Grand Canyon National Park's first botanist, Rose Collom. *In:* Quartaroli, Richard D. (compiler, ed.), *Celebrating 100 years of the National Park Service, November 2016 : a gathering of Grand Canyon historians : ideas, arguments, and first-person accounts.* Grand Canyon, Arizona: Grand Canyon Association, pp. 50-56.

R

Rabaute, Philippe, AND Coulot, Pierre

2016 19.6870 Voyages naturalistes dans l'ouest des États-Unis, 2010-2014. *Evaxiana* (Revue électronique annuelle de la Société botanique du Centre-Ouest [France]), 2 : 79-106. [In French.]

► See "Las Vegas-Bryce Canyon-Page (Utah, mars 2010 et juin 2011)" and "Page-Las Vegas par le Grand Canyon (Arizona, juin 2011)".

Ragenovich, Iral

1980 19.6683 Southwestern Region (R-3). *In:* Forest insect and disease conditions in the United States, 1978. *U.S. Forest Service, General Technical Report GTR-WO-19*, pp. 20-24. [See p. 20, under "Mountain pine beetle": "The infestation on the Kaibab National Forest, Ariz., declined to a low level. Activity continued on the adjoining Grand Canyon national Park, but losses were minimal. Mountain pine beetle attacked and killed relatively thrifty trees growing on the best sites in Arizona. no suppression or salvage programs were undertaken." (ENTIRE NOTE)]

Ralston, Barbara E.

2005 19.2544 (WITH TEXT BOX BY Charles Drost) Riparian vegetation and associated wildlife. *In:* Gloss, Steven P., Lovich, Jeffrey E., and Melis, Theodore S. (eds.), The state of the Colorado River ecosystem in Grand Canyon; a report of the Grand Canyon Monitoring and Research Center, 1991-2004. *U.S. Geological Survey, Circular 1282*, pp. 103-122.

2005 19.2567 Riparian vegetation and associated wildlife (chapter 6). *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 23.

▶ Chapter 6 refers to ITEM NO. 19.2544 (above).

2005 19.2599 Riparian vegetation and associated wildlife [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 71.

2008 19.2780 Short and long-term vegetation response to a 60-hour, high-discharge release (41,000 cubic feet/second) from Glen Canyon Dam [ABSTRACT]. *In: Colorado River Basin Science and Resource Management Symposium 2008. Coming together: Coordination of science and restoration activities for the Colorado River ecosystem : abstracts : November 18-20, 2008, Doubletree Resort Hotel, Scottsdale, Arizona.* [No imprint], p. 90.

2010 19.3038 Riparian vegetation response to the March 2008 short-duration, high-flow experiment—implications of timing and frequency of flood disturbance on nonnative plant establishment along the Colorado River below Glen Canyon Dam. *U.S. Geological Survey, Open-File Report 2010-1022*, 30 pp.

2011 19.3398 Summary report of responses of key resources to the 2000 low steady summer flow experiment, along the Colorado River downstream from Glen Canyon Dam, Arizona. *U.S. Geological Survey, Open-File Report 2011-1220*, 129 pp.

Ralston, Barbara E., AND Sarr, Daniel A.

2017 19.5895 (EDS.) Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, 116 pp.

Ralston, Barbara E., AND Wegner, David L.

1996 19.1353 Effects of habitat/building flows on backwater habitat along the Colorado River, below Glen Canyon Dam [ABSTRACT]. *Eos* (American Geophysical Union, Transactions), 77(46, Supplement): F272.

Ralston, Barbara E.; Davis, P. A.; Rundall, J. M.; Weber, R. M.; AND Davis, L.

2005 19.2569 A GIS vegetation database for the Colorado River ecosystem [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2005. Abstracts. October 25-27, 2005, Fiesta Inn Resort, 2100 South Priest Drive, Tempe, AZ.* [Flagstaff, Arizona]: [U.S. Geological Survey, Grand Canyon Monitoring and Research Center], p. 85.

Ralston, Barbara E.; Davis, Philip A.; Weber, Robert M.; AND Rundall, Jill M.

2008 19.2737 A vegetation database for the Colorado River ecosystem from Glen Canyon Dam to the western boundary of Grand Canyon National Park, Arizona. *U.S. Geological Survey, Open-File Report 2008-1216*, 37 pp.

Ralston, Barbara E.; Lauretta, Matthew V.; AND Kennedy, Theodore A.

2007 19.3017 Comparisons of water quality and biological variables from Colorado River shoreline habitats in Grand Canyon, Arizona, under steady and fluctuating discharges from Glen Canyon Dam. *U.S. Geological Survey, Open-File Report 2007-1195*, 29 pp.

Ralston, Barbara E.; Starfield, Anthony M.; Black, Ronald S.; AND Van Lonkhuyzen, Robert A.

2014 19.4397 State-and-transition prototype model of riparian vegetation downstream of Glen Canyon Dam, Arizona. *U.S. Geological Survey, Open-File Report 2014-1095*, 26 pp. + Excel files accessible online, http://pubs.usgs/gov/of/2014/1095/. [Excel files are data spreadsheets for "Reattachment bar model of May 1, 2014" and "Separation Bar Model May 1, 2014".]

► Glen Canyon Dam to Lake Mead.

Ramirez, Amber M.

2016 19.5284 John H. Weber's life and philanthropy. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 70(4) (December): 11.

► Memorial. Includes note of Weber's role in acquiring herbarium specimens from "Grand Canyon National Park's first paid botanist, his friend Rose Collum".

2018 19.6037 The Ahearn Desert Conservation Laboratory; Susan and Bill Ahearn fulfill a garden dream. *The Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 72(3/4) (September): 17-19.

► See p. 18: "Wendy Hodgson, curator of the herbarium and senior research botanist, shares that Susan and Bill have been joining her on Grand Canyon Association Field Institute research trips since 1997. On that first trip, they conducted a botanical survey from Boucher Creek to Hermit Creek. They continue those trips with Wendy to this day, with a trip scheduled this fall to Clear Creek to conduct an agave survey." (ENTIRE NOTE)

Rand, Patricia June

1958 19.1354 The plant communities of Grand Canyon National Park, Arizona. *Minnesota Academy of Science, Proceedings*, 25: 88-90.

1965 19.1355 *Factors related to the distribution of ponderosa and pinyon pines at Grand Canyon, Arizona.* Doctoral dissertation, Duke University, 325 pp.

Rasmussen, D. I. [Rasmussen, Daniel Irvin]

1932 19.2316 *Biotic communities of the Kaibab Plateau.* Doctoral dissertation, University of Illinois at Urbana-Champaign, 320 pp.

1941 19.1357 Biotic communities of the Kaibab Plateau, Arizona. *Ecological Monographs*, 11: 229-275.

Rasmussen, D. I.; Brown, David E.; AND Jones, D.

1975 19.1359 Use of ponderosa pine by tassel-eared squirrels and a key to determine evidence of their use from that of red squirrels and porcupines. *Arizona Game and Fish Department, Wildlife Digest no. 10*, pp. 1-12.

Ratcliff, Thomas D.

1974 19.2825 *Kaibab squirrel activities in relation to forest characteristics.* Master's thesis, University of Arizona, 39 pp.

Ratcliff, Thomas D.; Patton, David R.; AND Ffolliot, Peter F.

1975 19.1360 Ponderosa pine basal area and the Kaibab squirrel. *Journal of Forestry*, 75(3) (May): 284-286.

Raven, Peter H.

1962 19.1948 The systematics of *Oenothera* subgenus *Chylismia*. *University of California, Publications in Botany*, 34(1): 1-122.

► See pp. 80-83, 87-90, 110-111, 113-115.
Includes: *Oenothera confertiflora*, new species, from base of Vulcan's Throne, Toroweap Valley (pp. 80-83)
O. specuicola, new species, from South Kaibab Trail (pp. 87-90).

Ray, Harold Edwin

1971 19.4357 *A biosystematic study of* Artemisia carruthii. Doctoral dissertation, University of Oklahoma, 51 pp.

► Populations examined include gatherings from East Rim Drive, Grand Canyon; "Hull Tanks, Kaibab National Forest"; "4 miles west of Jacob Lake"; "5 miles east of Jacob Lake".

Redburn, Ralph A.

1931 19.1367 Pinyon pine nuts. *Grand Canyon Nature Notes*, 5(12) (October): 125-126.

1994 19.1375 Pinyon pine nuts. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 68.

► Reprinted from *Grand Canyon Nature Notes*, October, 1931.

Redfern, Curtis

1925 19.6681 The other fellow's garden. *The Dahlia Society of California, Bulletin* (San Francisco), (26) (August): 7.

► Regarding visits to gardens during a business trip to the eastern U.S. "A day at the Grand Canyon on my return trip was filled with interest. Thre are many things about rock arrangement to be learned in this great rock garden of the Master Gardener, and my camera brought home pictures of several groupings for study and possible use in my miniature landscape garden: A gnarled cedar grimly determined to grow in the

crevice of a perpendicular cliff of stone; another desert effect—Cacti and Yucca in a natural terrace of rocks." (ENTIRE NOTE)

Reed, S.; Belnap, J.; Sherry, R.; Ostojo, S.; AND Shafroth, P.

2017 19.5858 Riparian soil fertility, stability, and salinity: How beetle-induced saltcedar defoliation and mortality are setting the stage for the riparian community that comes next [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 134.

Reeder, John R.

1991 19.1379 A new species of *Panicum* (Gramineae) from Arizona. *Phytologia*, 71(4) (October): 300-303.

► *Panicum mohavense*, new species; holotype and isotypes from "Main Street Valley, ca. 1.5 km S of the jct. of the Colorado City road with the Main Street Valley road."

1994 19.1380 *Stipa tenuissima* (Gramineae) in Arizona—a comedy of errors. *Madroño*, 41(4): 328-329.

► Havasu Canyon.

Reeves, Kelly

2010 19.5690 *Species fact sheet : Cactaceae (cactus family) : Brady's pincushion cactus :* Pediocactus bradyi : *rare plant.* [No place]: southwestlearning.org [Learning Center of the American Southwest], 1 p. ("10.15.2010".) [Includes U.S. National Park Service logo.]

2010 19.5691 *Species fact sheet : Fabaceae (legume family) : sentry milkvetch :* Astragalus cremnophylax *var.* cremnophylax : *rare plant.* [No place]: southwestlearning.org [Learning Center of the American Southwest], [2] pp. ("10.15.2010".) [Includes U.S. National Park Service logo.]

2010 19.5692 *Species fact sheet : Cyperaceae (sedge family) : Navajo sedge :* Carex specuicola : *rare plant.* [No place]: southwestlearning.org [Learning Center of the American Southwest], [2] pp. ("10.15.2010".) [Includes U.S. National Park Service logo.]

Reeves, Timothy

1976 19.6435 Range extensions for lower vascular plants in Arizona. *Madroño*, 23(8) (October): 454-455.

► Includes *Cheilanthes villosa* Davenp. ex Maxon, from Mooney Falls, Havasu Canyon, the northernmost recorded station for this species in North America; *Selaginella watsonii* Underw., first state records from localities at Robbers Roost, Kanabonits Canyon, Kanabownits Valley, Kaibab Basin, Grand Canyon National Monument, and head of Hack Canyon.

Rehder, Alfred

1917 19.3583 The genus *Fraxinus* in New Mexico and Arizona. *American Academy of Arts and Sciences, Proceedings*, 53(2) (October): 199-212.

► See: *Fraxinus cuspidata* var. *macropetala*, new variety (pp. 201-202), referred material includes specimens from several Grand Canyon localities ("Grand Canyon", Red Canyon Trail, Bright Angel Trail, Hermit Trail, Grand View Trail

F. lowellii Sargent, new species (p. 211, written by C. S. Sargent), type from Oak Creek Canyon, other referred specimens include "Mohave Co.: Peach Spring, 1884, *J. G. Lemmon* (No. 3242)" [perhaps actually in May 1885 when Lemmon was at Peach Springs]; *F. anomala* Torrey (pp. 211-212).

1920 19.6218 New species, varieties and combinations from the herbarium and the collections of the Arnold Arboretum. *Arnold Arboretum, Journal*, 1(3) (January): 191-210.

► See *Fendlera rupicola* A. Gray, new combination (p. 204), referred material includes "Grand Canyon, 1894, *C. S. Sargent*, July 19, 1914, *A. Rehder* (Nos. 102, 111), June 16, 1916, *Alice Eastwood* (No. 5717)", and note, ". . . my No. 102 from the Grand Canyon show[s] a slight covering of minute branched hairs on the under side of the leaves, as does also one branch of Miss Eastwood's No. 5300"

F. wrightii Heller (pp. 204-205), referred material includes "Grand Canyon, May 24, 1903, *G. B. Grant* (No. 5737)".

Rehfeldt, Gerald E.

1990 19.1382 Genetic differentiation among populations of *Pinus ponderosa* from the upper Colorado River basin. *Botanical Gazette*, 151(1) (March): 125-137.

1993 19.1383 Genetic variation in the Ponderosae of the Southwest. *American Journal of Botany*, 80(3): 330-343.

Remmert, Hermann

1991 19.6248 Das Mosaik-Zyklus-Konzept und seine Bedeutung für den Naturschutz: Eine Übersicht. *In:* Werner-Reimers-Stifung (Veranstalter), *Das Mosaik-Zyklus-Konzept der Ökosysteme und seine Bedeutung für den Naturschutz : Symposium, 6.-9. September 1989, Bad Homburg.* [No place]: Bayerische Akademie für Naturschutz und Landschaftspflege, pp. 5-15. (Volume: *Laufener Seminarbeiträge 5/91*.) [In German.]

► See p. 12, brief note of soil acid reactions between tree species on the Kaibab Plateau.

Reveal, James L.

1968 19.1389 *Eriogonum umbellatum* Torr. var. *cognatum* (Greene) Reveal (Polygonaceae), comb. nov. *Southwestern Naturalist*, 13(3): 357-359.

► *Eriogonum umbellatum* var. *subaridum* S. Stokes is discussed, listing reference specimens in collections gathered from (among other places) House Rock Valley; near Big Saddle, Kaibab Plateau; 8 miles N.W. of Jacob Lake; summit of Mt. Emma, Uinkaret Plateau; North of Cane Beds; and Quartermaster Canyon.

1970 19.3424 A revision of Utah species of *Townsendia* (Compositae). *Great Basin Naturalist*, 30(1): 23-52.

► Includes Grand Canyon-Parashant National Monument, Arizona.

1974 19.2118 Two shrubby novelties in *Eriogonum* (Polygonaceae) from the deserts of Utah and Arizona. *Brittonia*, 26 (January/March): 90-94.

► Includes *Eriogonum mortonianum* Reveal, new species (pp. 91-92), types from "along Arizona Hwy. 389, 4.5 mi SW of U.S. Hwy. 89A at Fredonia . . . and ca. 9 mi ENE of Pipe Springs".

1974 19.3437 Two new varieties of *Eriogonum* (Polygonaceae) from the Intermountain Region. *Great Basin Naturalist*, 34(3): 245-246.

► Includes: *Eriogonum thompsonae* S. Wats. var. *atwoodii* Reveal, new variety (pp. 245-246), types from "Along Arizona Highway 389, 4.3 miles west of the junction of U.S. Highway 89A at Fredonia"

E. pharnaceoides Torr. in Sitgr. var. *cervinum* Reveal, new variety (p. 246), non-type specimens in collections gathered at "Trumbull Mountain" (Mount Trumbull).

Rhodes, S. L., AND Ayers, T. J.

2010 19.4927 Two new taxa of *Scutellaria* Section *Resinosa* (Lamiaceae) from northern Arizona. *Botanical Research Institute of Texas, Journal*, 4(1): 19-26.

► Includes *S. potosina* var. *kaibabensis* S. Rhodes & T. Ayers, new variety, from "East rim of the Kaibab Plateau, North Canyon Trail #4, 36°25'04"N 112°04'17"W (NAD 27), 2133 m (7000 ft), 9 Jul 1998, *Suzanne Rhodes 9811 with Tina Ayes* (holotype ASC; isotypes: ARIZ, ASU)." and "Paratype: U.S.A. Arizona. Coconino Co.: Kaibab Plateau, East Rim View Point along Trail #7 ca. 2¼ mi down from trailhead, in North Canyon; 36°25'18"N, 112°04'22"W, 2133 m (7000 ft); 1 Jul 1993, *W. Hodgson 7334* (DES, ASU)."

Rice, Gillian

2010 19.4962 Grand Canyon's green heart. *The Cactus Wren-dition* (Maricopa Audubon Society, Phoenix), 51(3) (Fall): 11-12.

► Artwork exhibit at Grand Canyon, "Grand Canyon's Green Heart: The Unsung Legacy of Plants".

Richardson, Toney

1947 19.4133 Trees that died of fear! *Desert Magazine*, 10(5) (March): 19-21.

► "Here is an unsolved mystery of the Navajo country—a 1000-acre forest of juniper that suddenly withered and lost its foliage. But the Indians have an explanation which satisfies them—the trees died of fear." Kaibito Plateau near the Colorado River upstream from Lees Ferry. Also a similar area nearby containing "dwarf trees". Causes of death are undetermined. See also in June issue, (8): 35-36, letters from Lee Thomas and Selma Braem (ITEM NOS. 19.4134, 19.4135).

Richmond, Al

2015 19.4829 Visit with Emma Williams, GCHS scholarship winner, at the University of Arizona Tree Ring Lab. *The Bulletin* (Grand Canyon Historical Society), 19(3) (May/June): 2.

► Informational notice only, with two photos including, "Emma and Rich with a Grand Canyon Ponderosa core that shows the cause of the demise . . . bark beetles." (ellipsis is part of legend)

Richter, Ivana, AND Richter, Oswald

1997 19.6190 Besøg på plantebiotoper i Sydvest-USA. III.—Nord-Arizona. *Kaktus og andre Sukkulenter* (Nordisk Kaktus Selskab), 32(1) (January): 8-10. [In Danish.]

► Cacti field trip. Includes Grand Canyon (south and north rims), Kaibab Plateau, and Fredonia.

Ricketson, Jon

2001 19.2030 Sparganiaceae bur-reed family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 65-68.

2001 19.2031 Typhaceae cattail family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 33(1): 69-72.

Rigby, Elizabeth

1956 19.4235 The elusive hop hornbeam. *Desert Magazine*, 19(5) (May): 22-23.

► Knowlton's hop-hornbeam (*Ostrya knowltonii* Cov.).

Rink, Glenn R.

2000 19.1970 Pediocactus in peril. *Boatman's Quarterly Review*, 13(2) (Spring): 42.

2021 19.6948 Vascular Plants of Arizona Project: Update on *Penstemons* of Arizona. *Plant Press Arizona* (Arizona Native Plant Society), 44(1) (Spring/Summer): 17-19.

► Kaibab Plateau noted pp. 17, 18).

Rink, Glenn R., AND Hodgson, Wendy

2009 19.2923 On the hunt for plants with GCFI. *Canyon Views* (Grand Canyon Association), 15(1) (Spring): 8. [Grand Canyon Field Institute.]

Rink, Glenn R., AND Licher, Max

2013 19.4118 New ideas about rarity of *Carex* species of Arizona. *The Plant Press* (Arizona Native Plant Society), 36(2) (Fall): 16-17, 19.

► Includes *Carex curatorum* in Grand Canyon (p. 16) and *C. aquatilis* from Bear Lake, Kaibab Plateau (p. 17).

2015 19.5295 Cyperaceae sedge family. Part 1: Family description, key to the genera, and *Carex* L. *Canotia*, 11: 1-97.

Rink, Glenn R.; Hodgson, Wendy; AND Phillips, Barbara Goodrich

2020 19.6584 Checklist of the vascular flora of the Kaibab Plateau, Coconino County, Arizona. *Monographs of the Western North American Naturalist*, 12: 1-52.

Ritter, Trevor

2012 19.6104 Making a grand difference. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 48(3) (Summer): 16.

► Volunteers participating in the restoration of native plant communities at the Grand Canyon Visitor Center, South Rim.

Roberts, Roland P:.; Urbatsch, Lowell E.; AND Anderson, John

2005 19.6953 New species and new combinations in *Ericameria* (Asteraceae: Astereae). *Sida*, 21(3) (August 5): 1557-1564.

► Includes *Ericameria arizonica*, new species (pp. 1558-1560), type from "Grand Canyon National Park, South Rim, Mather Point, eastern edge of view point E of paved walkways, north-facing Kaibab Limestone cliff edges shaded by pinyon pine, 1 Oct 1998, *N. Brian 98-291* (Holotype: ASC!)." Holotype illustrated in fig. 1 (p. 1559).

Robinson, Benjamin Lincoln

1899 19.4564 Three new Choripetalae from North America and Mexico. *Botanical Gazette*, 28(2) (August): 134-136.

► See *Silene rectiramea*, new species (p. 134); "Collected by Professor D. T. MacDougal about the Grand Cañon of the Colorado in Arizona, altitude 2150^{m}, 28 June, 1898, no. 181. Type in herb. Gray."

1917 19.3248 A monograph of the genus *Brickellia*. *Gray Herbarium of Harvard University, Memoirs*, 1, 151 pp. [Descriptions are in botanical Latin.]

► See: *B. longifolia* Wats. (p. 32), "ARIZONA: in Grand Cañon, Bishop (hb. Jns.); secundum rivulum Shinamo prope Grand Cañon, Pilsbry (hb. Phil.)." [*transl.* 'along the Shinamo River near Grand Canyon, Pilsbry (herbarium Philadelphia)'—this was gathered by Henry Pilsbry along Shinumo Creek, in 1906]

B. coulteri Gray (pp. 60-61), "ARIZONA: . . . in faucibus giganteis Grand Cañon dictis, Gray (hb. Gray.)" [*transl.* 'in the gigantic gorges named Grand Cañon'—this was collected by Asa Gray, thus probably his 1885 visit to Peach Springs Wash and Diamond Creek, and in the Gray herbarium]

B. atractyloides Gray (p. 101), "ARIZONA: faucibus giganteis 'Grand Cañon' anglice dictis, *Gray*, sine numero (hb. Gray.); ad ostia rivuli anglice Bright Angel nominati, *E. W. Nelson*, n. 124 (hb. U.S.); ad Peach Spring, Jones (hb. Jns.) [*transl.* 'the gigantic gorges called in English "Grand Cañon"—this was collected by Asa Gray, without number, thus probably his May 1885 visit to Peach Springs Wash and Diamond Creek, and in the Gray herbarium] and "at the mouth of the stream called in English Bright Angel, collected by E. W. Nelson, no. 124, in the U.S. National Herbarium], and Peach Spring, collected by Marcus E. Jones and in the Jones herbarium.

Robinson, Benjamin Lincoln, AND Fernald, M. L.

1894 19.2806 Contributions from the Gray Herbarium of Harvard University, New Series, No. VIII. New plants collected by Messrs. C. V. Hartman and C. E. Lloyd upon an archaeological expedition to northwestern Mexico under the direction of Dr. Carl Lumholtz. *American Academy of Arts and Sciences, Proceedings*, 30: 114-123.

► See p. 114: *Crossosoma parviflora*, "Collected in the Grand Cañon of the Colorado, by Dr. Gray, February to May, 1885, but referred to *Glossopetalon Nevadense*, Gray". (This was gathered by Asa Gray during his May 1885 visit to Peach Springs Wash and Diamond Creek.)

Robinson, Benjamin Lincoln, AND Greenman, Jesse More

1895 19.6943 Contributions from the Gray Herbarium of Harvard University, New Series, No. IX. *American Journal of Science*, Series 3, 50 [Whole Number, 150(296)] (August): 135-176.

► See under "Miscellaneous New Species", p. 176, *Laphamia toumeyi*, new species, "Collected by Prof. J. W. Toumey, in the Grand Cañon, 12 July, 1892 (No. 645)."

Robinson, David

2015 19.4872 Restoring and maintaining resiliency within the fire adapted ponderosa pine ecosystem at Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 72.

Robinson, David; Bunn, Windy; AND Gdula, Eric

2013 19.5441 Burning mixed conifer forests in Grand Canyon National Park: Lessons learned and initial plot results [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 107.

Robinson, Donald C. E., AND Geils, Brian W.

2006 19.3054 Modelling dwarf mistletoe at three scales: life history, ballistics and contagion. *Ecological Modelling*, 199: 23-38.

► "We illustrate application of the model to a dense-canopy, old growth, western hemlock (*Tsuga heterophylla*) stand at the Wind River Canopy Crane, Washington, USA (WRCC) and to two, open-canopy, regenerating, ponderosa pine stands near the south rim of the Grand Canyon, Arizona, USA (GC)."

Robinson, R. L.

1924 19.4943 Notes on North American forests. *United Kingdom, Forestry Commission, Journal*, (3) (February): 23-26.

► See under "Douglas Fir" the remark (p. 25): "The only place where I encountered the blue Douglas was on the precipitous slopes of the Grand Canyon of the Colorado River in Arizona (6,500 feet elevation)." (ENTIRE NOTE)

Robinson, Thomas W.

1965 19.1397 Introduction, spread, and areal extent of saltcedar (*Tamarix*) in the western states. *U.S. Geological Survey, Professional Paper 491-A*, 12 pp.

Roccaforte, John P.; Fulé, Peter Z.; AND Covington, W. Wallace

2010 19.4096 Monitoring landscape-scale ponderosa pine restoration treatment implementation and effectiveness. *Restoration Ecology*, 18(6): 820-833.

► Study area in the Mount Trumbull-Mount Logan area.

Roeder, Wilfried "Fred"

2016 19.5931 Some part of myself. *The American Surveyor*, 13(6) (July): 16-20. [Autobiographical sketch; includes notes and photo of forestry work on Kaibab Plateau.]

Rohokale, Prashant, AND Batwal, Saurabh

2018 19.6044 Ex. situ conservation of cacti and succulents of Arts, Science and Commerce College, Rahuri, Botanic Garden, Rahuri Tehshil District—Ahmednaga (M.S.). *Indian Journal of Applied Research* (Ahmedabad), 8(8) (August): 1-6.

► See p. 4, listing of *Pediocactus bradyi*, Marble Canyon; noted as Endangered.

Rollins, Reed C.

1953 19.2214 A new *Sisymbrium* from Arizona. *Leaflets of Western Botany*, 7(1): 15-16.

► *Sisymbrium kearneyi*, new species. "Type in the Gray Herbarium, collected along trail into S. B. Canyon, Grand Canyon National Monument, Arizona, May 8, 1952, *Elizabeth McClintock 481a*. Another collection (in flower) from the same locality but found growing under shelter of overhanging cliffs is *Elizabeth McClintock 52-481* (OH). Duplicates in Herb. Calif. Acad. Sci."

1982 19.3971 Species of *Draba*, *Lesquerella* and *Sibara* (Cruciferae). *Gray Herbarium of Harvard University, Contributions*, (211) (January 15): 107-113.

► See *Lesquerella kaibabensis* Rollins, new species, pp. 110-111; holotype from "limestone-clay knoll, 18.6 miles south of Jacob Lake on road to the north entrance of Grand Canyon National Park" [Arizona Rt. 67].

Romme, William H.; Allen, Craig D.; Bailey, John D.; Baker, William L.; Bestelmeyer, Brandon T.; Brown, Peter M.; Eisenhart, Karen S.; Floyd, M. Lisa; Huffman, David W.; Jacobs, Brian F.; Miller, Richard F.; Muldavin, Esteban H.; Swetnam, Thomas W.; Tausch, Robin J.; AND Weisberg, Peter J.

2009 19.4484 Historical and modern disturbance regimes, stand structures, and landscape dynamics in piñon-juniper vegetation of the western United States. *Rangeland Ecology and Management*, 62(3) (May): 203-222.

Rose, J. N.

1890 19.5220 Preliminary notes on *Perityle*. *Botanical Gazette*, 15(5) (May): 112-119, Plate 13.

► *Perityle emoryi* Torr. noted (p. 117), "Arizona, Grand Cañon (Gray)" (ENTIRE NOTE); *i.e.*, likely Peach Springs-Diamond Creek area.

Rosentreter, Roger; Bowker, Matthew; AND Belnap, Jayne

2007 19.3838 *A field guide to biological soil crusts of western U.S. drylands : common lichens and bryophytes.* (Photographs by Stephen Sharnoff.) Denver: U.S. Government Printing Office, 104 pp. [including wraps]. [Rear cover gives imprints of Northern Arizona University, U.S. Bureau of Land Management, U.S. Geological Survey, and U.S. National Park Service.]

Roth, Daniela

NO DATE 19.2900 *The Marble Canyon milk-vetch* Astragalus cremnophylax *var.* hevronii *: a 10-year monitoring update : Redwall site, Coconino County, AZ.* Window Rock, Arizona: Navajo Natural Heritage Program, [7] pp. [2007.]

2004 19.2902 Astragalus beathii*, Beath's milk-vetch : status report 2004.* Window Rock, Arizona: Navajo Natural Heritage Program, [11] pp.

► Extralimital, but includes potential habitats for Grand Canyon vicinity.

2006 19.4042 Beath's Milk-vetch: New insights on the distribution and abundance of a rare endemic plant. *The Plant Press* (Arizona Native Plant Society), 30(2) (October): 12-13.

2008 19.2903 *Monitoring report;* Pediocactus bradyi *: Marble Canyon, Coconino Co., AZ : 2008.* Window Rock, Arizona: Navajo Natural Heritage Program, [9] pp.

2008 19.2904 *Fickeisen plains cactus (*Pediocactus peeblesianus *ssp.* fickeiseniae*) : monitoring report : Salt Trail Canyon monitoring site : 2006-2008.* Window Rock, Arizona: Navajo Natural Heritage Program, [8] pp.

Roush, Allison; Schenk, Edward R.; AND Tobin, Benjamin W.

2016 19.5162 Effect of vegetation establishment on bank stabilization in Colorado River tributaries within Grand Canyon National Park [ABSTRACT]. *Geological Society of America, Abstracts with Programs*, 48(7): Paper 310-4, doi:10.1130/abs/2016AM-281735.

Rowlands, Peter G.

1994 19.5731 *Colorado Plateau vegetation assessment and classification manual.* Flagstaff, Arizona: U.S. National Park Service, Colorado Plateau Research Station at Northern Arizona University, v, 73, [8] pp. (*Technical Report NPSA/NAUCPRS/NRTR-94/06*.) ("[W]ith contributions from John R. Spence, Peter S. Bennett, Elena T. Deshler, Lisa Floyd-Hanna, Michael R. Kunzmann, Charles H. Lowe, William H. Romme".)

Rowlands, Peter G., AND Brian, Nancy J.

1996 19.1409 A perimeter tracing method for estimating basal cover: Monitoring the endangered sentry milk-vetch at Grand Canyon National Park, Arizona. *Southwestern Naturalist*, 41(2): 169-178.

2001 19.2032 Fishtail Mesa: A vegetation resurvey of a relict area in Grand Canyon National Park, Arizona. *Western North American Naturalist*, 61(2): 159-181.

Rübel, Eduard

1915 19.4727 Die internationale pflanzengeographische Exkursion durch Nordamerika 1913. *Schweizerischen Naturforschenden Gesellschaft, Verhandlungen / Société Helvétique des Sciences Naturelles, Actes / Società Elvetica di Scienze Naturali, Atti*, 97: 59-87 + [10] pp. figures. [In German, with multilingual serial title.]

▶ See "Grand Canyon", pp. 85-86.

Rudner, Ruth, AND Bean, Tom

2013 19.3981 Straight up. *Arizona Highways*, 89(7) (July): 48-49.

▶ Ponderosa pines.

Ruinaard, Henk

2010 19.6960 Echinocereus engelmannii ssp. engelmannii fa. munzii. *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 89(3) (June): 104-111. [In Dutch.]

▶ See pp. 108, 110, notes regarding *E. e.* ssp. *decumbens* at "House Rock Valley Overlook".

2012 19.6608 De lastige keuze tussen licht en isolatie. *Succulenta* (Nederlands-Belgische Vereniging van Liefhebbers van Cactussen en Andere Vetplanten, Hengelo, The Netherlands), 91(6) (December): 278-282. [In Dutch.]

▶ Cactus. See pp. 279-280, remarks on *Echinocereus engelmanii* at "House Rock Canyon" (House Rock Valley).

Runeberg, Jarl

1960 19.6973 The chemistry of the natural Order Cupressales. XXVII. Heartwood constituents of *Juniperus utahensis* Lemm. *Acta Chemica Scandinavica*, 14(4): 797-804. [An asterisk with "XXVII" notes, "Part XXVI. *Tetrahedron*. In the press."]

▶ "The wood used in the present investigation came from a tree grown at Grand Canyon, Arizona, U.S.A. It had been cut at least three years before it was worked up and was therefore rather dry."

Rydberg, Per Axel

1909 19.4969 Studies on the Rocky Mountain flora—XX. *Torrey Botanical Club, Bulletin*, 36(12) (December): 675-698.

▶ See p. 691, *Penstemon coccinatus*, new species, "Arizona: Grand Cañon of the Colorado, 1898, *MacDougal 173* (type, in herb. N. Y. Bot. Gard.) . . . ." Also notes non-type material in Arizona from "Red Cañon Trail [*i.e.*, New Hance Trail], June 10, 1901, *L. F. Ward*".

1913 19.5587 Studies on the Rocky Mountain flora—XXIX. *Torrey Botanical Club, Bulletin*, 40(9) (September): 461-485.

▶ See *Amsonia eastwoodiana*, new species (p. 465), paratypes include specimen, "Lee's Ferry, 1890, *M. E. Jones*".

Rydberg, Per Axel, AND Pennell, Francis Whittier

1919 19.5561 *North American flora. Volume 24, Part 1. (Rosales) Fabaceae, Psoraleae. Per Axel Rydberg. Eysenhardtia. Francis Whittier Pennell.* New York: New York Botanical Garden, pp. 1-64. [Pennell, pp. 34-40.]

▶ See *Pediomelum retrorsum* Rydberg, new genus, new species (p. 22); "Type collected at Peach Spring [Peach Springs] near Big Bend of the Colorado, Arizona, June, 1884, *J. G. Lemmon & wife* (herb. Columbia Univ.)." [*Pediomelum* Rydberg, new genus, p. 17.]

S

St. Clair, Jeffrey

1994 19.5823 Dark mesas in an ancient light; impressions from the Southwest. *Wild Forest Review* (Portland, Oregon), 1(9) (September/October): 11-16.

▶ North Rim of Grand Canyon, see p. 12.

St. John, Harold

1941 19.2160 Revision of the genus *Swertia* (Gentianaceae) of the Americas and the reduction of *Frasera*. *American Midland Naturalist*, 26(1) (July): 1-29.

▶ See *Swertia utahensis* (M. E. Jones) comb. nov. (pp. 12-13, square brackets are part of the quotation): "None of the large eastern American herbaria consulted contained the type material: M. E. Jones, June 19, 1890, on the Buckskin Mountains (Kaiba Plateau), on the southern edge of Utah. Dr. P. A. Munz has kindly loaned three pertinent sheets from the Jones herbarium at Pomona College. They are all of this species, F. utahensis Jones, are collected on June 18, 1890. Two are from Jacob's Pools, Ariz., and one from House Rock, Ariz., this latter being marked 'Type material.' It will be seen that this wording is for a different state as well as locality and day. How ever, it is on the Kaiba [or Kaibab] Plateau, and the Arizona-Utah state boundary crosses in this vicinity. These Jones collections are not numbered, and there seems to be a confusion between the written and the published data. This is not the first time that such confusion has been found in Jones' collections. Hence, it is reasonable to accept the sheet so marked as the type, as it conforms well to the diagnostic characters given in the original description. The type locality would then be: Arizona, House Rock, June 18, 1890, Marcus E. Jones (Herb. Pomona). There is an isotype in the herbarium of the University of California, at Berkeley."

Salo, Lucinda Faith

2002 19.3824 *Ecology and biogeography of red brome (*Bromus madritensis *subspecies* rubens*) in western North America.* Doctoral dissertation, University of Arizona, 223 pp.

▶ Includes Grand Canyon.

Salywon, Andrew; Hodgson, Wendy; Ontl, Todd; AND Wojciechowski, Martin

2012 19.5095 An annotated list of the endemic species of Arizona [ABSTRACT]. *In:* Abstracts of Presentations and Posters not Submitted for the Proceedings. *Calochortiana* (Utah Native Plant Society), (1) (December): 16.

► Notes in part, "Our working list is composed of ca. 250 taxa from 43 families and identifies the northern portion of the state (namely the Arizona Strip and the Grand Canyon) as harboring the highest percentage of endemics, in contrast to Kearney and Pebbles[']s analyses."

Salzer, Matthew W.; McCord, V. A. S.; Stevens, Lawrence E.; AND Webb, Robert H.

1996 19.1423 The dendrochronology of *Celtis reticulata* in the Grand Canyon: Assessing the impact of regulated river flow on tree growth. *In:* Dean, Jeffrey S., Meko, David M., and Swetnam, Thomas W. (eds.), *Tree rings, environment and humanity : proceedings of the international conference, Tucson, Arizona, 17-21 May 1994.* Tucson: Radiocarbon, Department of Geosciences, University of Arizona, pp. 273-282.

Sánchez Meador, A. J.; Wasserman, T. Z.; Stoddard, M. T.; AND Roccaforte, J. P.

2015 19.4874 Fine-scale forest patterns and landscape ecology of Powell Plateau, Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 75.

Sankey, Joel B., AND Ralston, Barbara E.

2013 19.5442 Colorado River, vegetation, and climate: Five decades of spatio-temporal dynamics in the Grand Canyon following river regulation [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 110.

Sankey, Joel B.; Durning, Laura E.; Yackulic, Charles B.; Grams, Paul E.; Butterfield, Bradley J.; AND Sankey, Temuulen Ts.

2022 19.6840 Ecohydrologic and geomorphic effects on riparian plant species occurrence and encroachment: remote sensing of 360 km of the Colorado River in Grand Canyon [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, p. 165.

Sankey, Joel B.; Kasprak, Alan; AND Caster, Joshua J.

2017 19.5861 Riparian vegetation management for sand and cultural resource conservation in the Grand Canyon [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], p. 146.

Sankey, Joel B.; Ralston, Barbara E.; Grams, Paul E.; Schmidt, John C.; AND Cagney, Laura E.

2015 19.4743 Riparian vegetation, Colorado River, and climate: Five decades of spatiotemporal dynamics in the Grand Canyon with river regulation. *Journal of Geophysical Research: Biogeosciences*, 120: 1532-1547.

Sankey, Temuulen Ts. [Sankey, Temuulen Tsagaan]

2017 19.5862 Remote sensing of tamarisk biomass, insect herbivory, and defoliation: Lidar and multispectral image fusion in the Grand Canyon, AZ [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 146-147.

Sankey, Temuulen Ts.; Sankey, Joel B.; Horne, Rene; AND Bedford, Ashton

2016 19.5148 Remote sensing of tamarisk biomass, insect herbivory, and defoliation: Novel methods in the Grand Canyon region, Arizona. *Photogrammetric Engineering and Remote Sensing*, 82(8) (August): 645-652.

Sankey, Temuulen Ts.; Sankey, Joel B.; Horne, Rene; Bedford, Ashton; AND Cagney, Laura E.

2016 19.5972 Remote sensing of tamarisk biomass, insect herbivory, and defoliation: Novel lidar and multispectral methods in the Grand Canyon region, Arizona [ABSTRACT]. *American Geophysical Union, 2016 Fall Meeting, San Francisco, California, 12-16 December*, Abstract B51C-0416.

Sandquist, Darren R., AND Ehleringer, James R.

1996 19.1425 Potential adaptability and constraints of response to changing climates for *Encelia farinosa* var. *phenicodonta* from southern Baja California, Mexico. *Madroño*, 43(4): 465-478.

► Range also along lower Colorado River and western Grand Canyon Colorado River corridor.

Sargent, Charles Sprague

1884 19.1426 *Report of the forests of North America (exclusive of Mexico).* U.S. Census Office, 612 pp.

► See pp. 568-569.

1894 19.3758 *Forest flora of Japan : notes on the forest flora of Japan.* Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 93 pp.

► See p. 66, note of species of hop-hornbeam known only from the Grand Canyon (*i.e.*, *Ostrya knowltonii*).

1896 19.3401 *The silva of North America : a description of the trees which grow naturally in North America exclusive of Mexico. Illustrated with figures and analyses drawn from nature by Charles Edward Faxon. Volume IX. Cupuliferae–Salicaceae.* Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 190 pp.

► See *Ostrya knowltoni* [*sic*], pp. 37-38, Plate 446. *Ostrya knowltonii* Cov.

1896 19.3402 *The silva of North America : a description of the trees which grow naturally in North America exclusive of Mexico. Illustrated with figures and analyses drawn from nature by Charles Edward Faxon. Volume X. Lilliaceae–Coniferae.* Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 152 pp.

► See *Juniperus utahensis*, pp. 81-82, Plate 518; and *J. virginiana*, p. 93 and following, specifically p. 94, *note* 6.

1917 19.3584 *Fraxinus Lowellii* Sargent, n. sp. *In:* Rehder, Alfred, The genus *Fraxinus* in New Mexico and Arizona. *American Academy of Arts and Sciences, Proceedings*, 53(2) (October): 211.

► New species; type from Oak Creek Canyon, other referred specimens include "Mohave Co.: Peach Spring, 1884, *J. G. Lemmon* (No. 3242)".

1919 19.2120 Notes on North American trees. IV. *Botanical Gazette*, 67(3): 208-242.

► See: *Juniperus utahensis* var. *megalocarpa*, new variety (p. 208), referred material includes "rim of the Grand Canyon, *C. S. Sargent*, September 9, 1904"

Populus arizonica, new name for *P. mexicana* Sargent (non Wesmael) (pp. 210-211), referred material includes "Hermit Creek, Grand Canyon of the Colorado, *Alice Eastwood*, April 10, 1917 (no. 6002)

Populus fremontii var. *toumeyi*, new variety (p. 214), referred material includes "Hermit Creek, Grand Canyon of the Colorado, Coconino County, *Alice Eastwood*, April 10, 1917 (no. 6002)"

Celtis douglasii Planchon (pp. 218-219), referred material includes "the southern slope of the Grand Canyon, Arizona (*A. Rehder*, July 19, 1914, no. 103".

1922 19.3403 *Manual of the trees of North America (exclusive of Mexico)*. (Illustrations by Charles Edward Faxon and Mary W. Gill.) Boston and New York: Houghton, Mifflin and Co. (The Riverside Press, Cambridge), 2nd ed., 910 pp.

► See: *Ostrya knowltonii* Cov., pp. 204-205; *Celtis douglasii* Plan., pp. 321-322
Rhamnus purshiana DC., pp. 725-726
Sambucus coerulea var. *arizonica* Sarg., p. 885.

Sauer, Jonathan D.

1988 19.1428 *Plant migration : the dynamics of geographic patterning in seed plan species.* Berkeley, California: University of California Press, 282 pp.

Saunders, Charles Francis

1911 19.4535 The small California garden; with all their wonderful climatic advantages California gardens do not "just grow"—the experiences of an easterner who went West. *House and Garden*, 19(2) (February): 79-81, 120-122.

► See p. 80: "These low walls made many nooks and corners which serve to domicile special plants that have for us some personal association. In one, for instance, grows a clump of a native peutstemon [penstemon], raised from seed gathered at the Grand Cañon . . . ." (ENTIRE NOTE)

1915 19.3358 A garden of associations. *American Botanist*, 21(1) (February): 12-14.

► See pp. 13-14, note of a southern California garden with a shrub of Mexican cliff rose, "cherished as an individual because raised from seed gathered on the rim of the Grand Canyon in Arizona, and so linked with the memory of a certain noteworthy outing . . . ." (ENTIRE NOTE)

1921 19.6595 Native shrubs. *In:* Pasadena Garden Club [SECTION]. *Garden Club of America, Bulletin*, New Series, 1921(2) (November): 74-75.

► Regarding *Cowania mexicana*, the Navajo cliff-rose, see note, p. 75, "The only specimens that I have seen incultivation were raised from roots brought by friends from the Grand Canyon, Arizona, where the shrub is a familiar sight." (ENTIRE NOTE)

Saxena, Rekha

2005 19.6990 *Differences in soil, physical, chemical and mineralogical properties between inhabited and uninhabited* Arctomecon californica *habitats.* Master's thesis, University of Nevada at Las Vegas, 65 pp.

► Study area is in the Tule Springs area (extralimital to this bibliography) but includes discussion of regional occurrences of this species of poppy in the Lake Mead and western Grand Canyon areas.

Schenck, C. A.

NO DATE 19.3320 "Lectures on Forest Policy"; Second Part: Forestry conditions in the United States. [No imprint], [unpaginated]. [*Ca.* 1905?]

► See "Forestry Conditions in Arizona"; includes Grand Canyon Forest Reserve.

Schenk, John J.

2013 19.4316 Evolution of limited seed dispersal ability on gypsum islands. *American Journal of Botany*, 100(9) (September): 1811-1822.

► Includes Grand Canyon.

Schenk, John J., AND Hufford, Larry

2010 19.3962 Taxonomic novelties from western North America in *Mentzelia* section *Bartonia* (Loasaceae). *Madroño*, 57(4): 246-260.

► Includes *Mentzelia longiloba* J. Darl. var. *yavapaiensis* J. J. Schenk & L. Hufford, new variety, pp. 258-259; localities include near Peach Springs, Arizona, and Tuweep.

Schenk, John J.; Hodgson, Wendy; AND Hufford, Larry

2010 19.3276 A new species of *Mentzelia* section *Bartonia* (Loasaceae) from the Grand Canyon, Arizona. *Brittonia*, 62(1): 1-6.

► *Mentzelia hualapaiensis* J. J. Schenk, W. C. Hodgson & L. Hufford, new species; type from "Grand Canyon National Park, along the Colorado River near the Mile 158 camp site on river right".

2013 19.4314 *Mentzelia canyonensis* (Loasaceae), a new species endemic to the Grand Canyon, Arizona, U.S.A. *Brittonia*, 65(4) (December): 408-416.

► Type from "Grand Canyon National Park, Manzanita Canyon, within ¼ mile of Bright Angel Creek and North Kaibab Trail".

Schimper, A. F. W.

1898 19.3283 *Pflanzen-geographie auf physiologischer Grundlage.* Jena: Gustav Fischer, 876 [877] pp., plates, maps. [In German.]

► See text associated with: Fig. 95, p. 195, "Grand Cañon des Colorado. Arizona. Steiniges Flussbett. Im Hintergrund die dem Klima entsprechende Wüste."; Fig. 374, facing p. 671, "Aus der Felsenwüste im nordwestlichen Arizona. Grosser Canon des Coloradoflusses. Pinus monophylla." See also "Druckfehler-Verzeichniss", errata, p. [877].

Schmid, J. M.; Mata, S. A.; AND Mitchell, J. C.

1986 19.2303 Number and condition of seeds in ponderosa pine cones in central Arizona. *Great Basin Naturalist*, 46(3): 449-451.

► Includes South Rim of Grand Canyon.

Schmidt, John C.

2017 19.5899 Channel form and riparian vegetation: Relevant temporal and spatial scales. *In:* Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, pp. 55-58.

Schmidt, John C.; Webb, Robert H.; Valdez, Richard A.; Marzolf, G. Richard; AND Stevens, Lawrence E.

1998 19.5949 Science and values in river restoration in the Grand Canyon; there is no restoration or rehabilitation strategy that will improve the status of every riverine resource. *BioScience*, 48(9) (September): 735-747.

Schmidt, Laurie J.

2010 19.3790 Chewed out. An invasive plant called tamarisk has been killing off cottonwoods and destroying river habitat for decades. Now park rangers are hoping a beetle can turn the tide. *National Parks*, 84(1) (Winter): 20-21.

Schmutz, Ervin M.

1978 19.1436 *Classified bibliography on native plants of Arizona.* Tucson: University of Arizona Press, 160 pp.

Schmutz, Ervin M.; Michaels, Charles C.; AND Judd, B. Ira

1976 19.4651 Boysag Point: a relict area on the North Rim of Grand Canyon in Arizona. *Journal of Range Management*, 20(6) (November): 363-369.

► 70-acre relatively ungrazed pinyon-juniper-sagebrush area adjacent to grazed Mainland area.

Schrötter, C.

1924 19.4726 Chronik der ersten bis dritten internationalen pflanzengeographischen Exkursion (I.P.E.). *Geobotanischen Institutes Rübel in Zürich, Veröffentlichungen*, 1: 7-27. [In German.]

► See in "Die zweite I. P. E.", brief note of field trip itinerary including lower Colorado River region and Grand Canyon (p. 15).

Schulman, Edmund

1942 19.2388 Variations between ring chronologies in and near the Colorado River drainage area. *Tree-Ring Bulletin*, 8(4) (April): 26-32.

1954 19.2389 Dendroclimatic changes in semiarid regions. *Tree-Ring Bulletin*, 20(3/4) (January/April): 26-30, and fold-out chart, "Master growth indices for archaeological areas of the Colorado River basin".

Schuster, William S. F.; Phillips, Susan L.; Sandquist, Darren R.; AND Ehleringer, James R.

1992 19.5200 Heritability of carbon isotope discrimination in *Gutierrezia microcephala* (Asteraceae). *American Journal of Botany*, 79(2): 216-221.

► Field population sampled "11.5 km north of Lee's Ferry, Arizona".

Schwarzbach, Andrea E., AND Kadereit, Joachim W.

1999 19.4352 Phylogeny and prickly poppies, *Argemone* (Papaveraceae), and the evolution of morphological alkaloid characters bsed on ITS nrDNA sequence variation. *Plant Systematics and Evolution*, 218: 257-259. [Internal transcribed spacer; nuclear ribosomal DNA.]

► Sequenced taxa include: *A. arizona* from "S Bright Angel Trail" [Bright Angel Trail] and "N Bright Angel Trail to Roaring Springs" [North Kaibab Trail]
Argemone corymbosa subsp. *arenicola* from U.S. Route 89 at Cedar Ridge; and *A. rotundata* from "10 mi. S of Fredonia".

Scott, Michael L.; Fairley, Helen C.; AND Fairley, A. H.

2022 19.6830 Assessing 50 years of change in riparian condition along the Colorado River in Grand Canyon [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 51-52.

Scott, Michael L.; Reynolds, Elizabeth W.; Brasher, Anne M. D.; Caires, Annie; AND Miller, Mark E.

NO DATE 19.2645 *The structure and functioning of riparian and aquatic ecosystems of the Colorado Plateau—conceptual models to inform monitoring.* [No place]: U.S. Geological Survey, *for* Lisa P. Thomas, U.S. National Park Service, Flagstaff, Arizona, and Steve Garman, Southeast Utah Group, Moab, Utah, 107 pp.

Scott, Michael L.; Webb, Robert H.; Johnson, R. Roy; Turner, Raymond M.; Friedman, Jonathan M.; AND Fairley, Helen C.

2018 19.6225 Evaluating riparian vegetation change in canyon-bound reaches of the Colorado River using spatially extensive matched photo sets. *In:* Johnson, R. Roy, Carothers, Steven

W., Finch, Deborah M., Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 1. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-377*, pp. 148-173.

► Lower Glen Canyon, Marble Canyon, and Grand Canyon.

Seamons, Nancy

2004 19.2466 The trouble with tammies. *The Waiting List* (Grand Canyon Private Boaters Association Quarterly), 6(4) (Winter/Spring): 12-15.

► Tamarisk.

Searl, Clyde C.

1932 19.1457 The herbarium of Grand Canyon National Park. *Grand Canyon Nature Notes*, 6(4) (February): 31-33.

1932 19.1459 Weeds. *Grand Canyon Nature Notes*, 7(4) (July): 41-42.

1994 19.1463 Weeds. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 59-60.

► Reprinted from *Grand Canyon Nature Notes*, July, 1932.

Seifert, Torsten

1994 19.6059 Kakteen im Grand Canyon. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 45(11) (November): 238-240. [In German.]

► Cacti.

Selleck, S. Shane

2012 19.3738 The USGS Sonoran Desert Research Center. *In:* Muller, Seth (ed.), *Science Research 2012 : special supplement brought to you by* Arizona Daily Sun. [Flagstaff, Arizona]: Arizona Daily Sun, p. 24.

► Includes focuses on tamarisk and northern tamarisk beetle across the Colorado Plateau.

Sesnie, Steven E.; Dickson, Brett G.; Rundall, Jill M.; AND Sisk, Thomas D.

2009 19.4253 *Preliminary stratification and characterization of the mixed conifer forest type on the Kaibab National Forest, North Kaibab Ranger District : final report.* Flagstaff, Arizona: Northern Arizona University, School of Earth Sciences and Environmental Sustainability, Applied Ecology Laboratory, *for* U.S. Forest Service, Kaibab National Forest, 21 pp.

2011 19.4616 Assessment of mixed conifer forest conditions, North Kaibab Ranger District, Arizona, USA. *In:* Riper, Charles van, III, Villarreal, Miguel L., Riper, Carena J. van, and Johnson, Matthew J. (eds.), *The Colorado Plateau V : research, environmental planning, and management for collaborative conservation.* Tucson: University of Arizona Press, pp. 23-44.

2015 19.4791 Assessment of mixed conifer forest conditions, North Kaibab Ranger District, Arizona, USA [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 163-164.

Sevigny, Melissa L.

2023 19.6793 Tenacious specimens. A survey of the Grand Canyon's plants by the first non-Native women to run the river—and survive. *High Country News*, 55(5) (May): 34-41.

► Excerpt from Sevigny's forthcoming book, *Brave the Wild River: The Untold Story of Two Women Who Mapped the Botany of the Grand Canyon*.

2023 19.6798 *Brave the wild river : the untold story of two women who mapped the botany of the Grand Canyon.* New York: W. W. Norton and Co., 290 pp.

► About Elzada Clover and Lois Jotter on a Nevills Expedition trip on the Colorado River through Grand Canyon.

[*BIBLIOGRAPHICAL NOTE*: In 2023, Amazon.com promoted a title, *Summary of Brave the Wild River*, which was only a contrived "summary and analysis" of the book, perhaps produced with the use of Artificial Intelligence software. Two items were seen in November 2023; one by "Ben Isaac", with a cover photo of two young women sitting on a wall alongside an undefined riparian stream (certainly neither the Colorado River nor the Grand Canyon), the other, with no cover illustration, by "John L. Lemon". The first title advertises in broken English, "This is not a book by Melissa L. Sevignys nor is it affiliated with them. It is an independent publication that summarizes Sevigny's book in details." The second title, in similarly broken English, advertises, "This is an independent publication by John L. Lemon that summarizes Melissa L. Sevigny's book in details[.] The contents of the outline is never to supplant the original book but rather to help readers figure out a smart read. This outline has been approximately created nailing down the fundamental central issues and realities, and summoned to assist developing comprehension you might intrepret the book." A Kindle electronic tablet version attributes the author as "LIFE Summary" and adds to the unillustrated title image, "(A guide to Melissa L. Sevigny book)"; it also noted (citing a different "author"): "Disclaimer!! This is not a book by Melissa L. Sevigny, nor is it affiliated with them. It is an independent publication by Nora Alonzo that summarizes Melissa L. Sevign's book in detail. It is a summary. The contents of the outline are never to replace the original book but rather to help readers figure out a smart read. This outline has been approximately created nailing down the fundamental central issues, and realities, and summing up subtleties to assist in developing comprehension you might interpret the book." Such productions are not cited in this bibliography, but this note is added here as a matter of contemporary bibliography focusing on one conventionally published title. Note the various attributed authors and similar (though not perfectly identical) disclaimers. This bibliographical note also serves as a cautionary example of what probably are artificially produced texts, which may be of interest to humans who will research the evolution of AI but which do terrible disservice to those who produce more rigorous and human-guided surveys (not to overlook the intents and intellectual rights of the original authors!).]

2024 19.6951 Weeding the Grand Canyon; the search for an invasive plant, ghosts of the past and belonging on a journey downriver. *National Parks;*, 98(3) (Summer): cover, 1, 42-50.

► The invasive plant is ravenna grass.

Shafroth, Patrick B.; Brown, Curtis A.; AND Merritt, David M.

2009 19.5699 (EDS.) Saltcedar and Russian Olive Control Demonstration Act science assessment. *U.S. Geological Survey, Scientific Investigations Report 2009-5247*, xviii, 143 pp.

Shah, Vinay

2012 19.3890 What I saw last winter. *In:* Last Month's Meeting [SECTION]. *British Cactus and Succulent Society, Southampton and District Branch, Newsletter*, (July): 1-7.

► Write-up of a presentation by Paul Klaassen, the second half of which pertains to a trip on the Colorado Plateau. Grand Canyon and Marble Canyon at Navajo Bridge, see pp. 4-5.

Shannon, Joseph P.; Blinn, Dean W.; Benenati, Peggy L.; Wilson, Kevin; AND Shaver, Michael

1995 19.1475 Mechanisms affecting the drift of *Cladophora glomerata*, associated eiphytes, and macroinvertebrates in the Colorado River through Grand Canyon National Park, Arizona [ABSTRACT]. *North American Benthological Society, Bulletin*, 12(1): 133.

Shannon, Joseph P.; Blinn, Dean W.; Stevens, Lawrence E.; AND Macauley, Jeanette

1992 19.1477 The ecology and distribution of benthic algae and associated macroinvertebrates in the dam-controlled Colorado River through Grand Canyon, Arizona [ABSTRACT]. *North American Benthological Society, Bulletin*, 9(1): 70-71.

Shantz, Homer LeRoy

1936 19.2065 Vegetation. *In:* Arizona and its heritage. *University of Arizona, Bulletin*, 7(3), *General Bulletin 3*, pp. 46-53.

1940 19.2162 The relation of plant ecology to human welfare. *In:* Symposium on Relation of Ecology to Human Welfare—The Human Situation. *Ecological Monographs*, 10(3) (July): 311-342.

Shapiro, Erik-Anders, AND Sinyella, Warren

1989 19.3783 The Havasupai gardening tradition. *The Seedhead News* (Native Seeds/SEARCH, Tucson), 26 (Fall Equinox): 1-2.

Sharrow, David

1989 19.1480 Status of tamarisk and its control in Grand Canyon National Park. *In:* Kunzmann, Michael R., Johnson, R. Roy, and Bennett, Peter S. (eds.), *Tamarisk control in southwestern United States : proceedings of Tamarisk Conference, University of Arizona, Tucson, Arizona, September 2 and 3, 1987.* U.S. National Park Service, Cooperative National Park Resources Studies Unit, School of Renewable Natural Resources, University of Arizona; Cooperative National Park Resources Studies Unit Special Report 9, pp. 57-60. [Volume also revised, August 1990.]

Shaw, Harley G.

2006 19.2939 Wood plenty, grass good, water none; vegetation changes in Arizona's upper Verde River watershed from 1850 to 1997. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-177*.

► Includes greater South Rim area.

Shea, Kevin

2018 19.6004 Environmental Assessment; southwestern willow flycatcher conservation program. *Federal Register*, 83(208) (October 26): 54080-54082.

► "Notice of intent to conduct a scoping process and prepare an environmental assessment."

Shelby, Bo, AND Whittaker, Doug

2020 19.6503 Intended versus unintended effects during riparian restoration create high quality recreation habitat. *In:* Johnson, R. Roy, Carothers, Steven W., Finch, Deborah M.; Kingsley, Kenneth J., and Stanley, John T. (technical eds.), Riparian research and management: Past, present, future: Volume 2. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-411*, pp. 250-268.

Shepperd, Wayne D., AND Edminster, Carleton B.

1997 19.5915 The value of long-term silvicultural research studies. *In:* Communicating the Role of Silviculture in Managing the National Forests : proceedings of the National Silviculture Workshop, May 19-22, 1997, Warren, Pennsylvania. *U.S. Forest Service, Northeastern Forest Experiment Station, General Technical Report NE-238*, pp. 110-114.

► See "North Kaibab Ranger District Group Selection Study", pp. 113-114.

Sher, Anna, AND Quigley, Martin F.

2013 19.3785 (EDS.) *Tamarix : a case study of ecological change in the American West.* Oxford, New York, Auckland, Cape Town, Dar es Salaam, Hong Kong, Karachi, Kuala Lumpur, Madrid, Melbourne, Mexico City, Nairobi, New Delhi, Shanghai, Taipei, and Toronto: Oxford University Press, 488 pp.

► *NOTE*: Inasmuch as tamarisk is widespread throughout the lower Colorado River main stem and tributaries, including through Grand Canyon, pertinent chapters in this book are listed only in Part 11, Section 1 of THE GRAND CANON (lower Colorado River below Grand Canyon). Contributing to this demarkation is the fact that the book's extensive index mentions Grand Canyon (as Grand Canyon National Park) only on p. 435.

Sherman, JoAnn Davis

1987 19.3828 *Chromosome morphology, number and behavior of some Arizona* Plantago *species.* Master's thesis, University of Arizona, 71 pp.

► Data include specimen of *P. argyrea* gathered at south entrance to Grand Canyon National Park.

Shinneman, Douglas J.; Means, Robert E.; Potter, Kevin M.; AND Hipkins, Valerie D.

2016 19.4947 Exploring climate niches of ponderosa pine (*Pinus ponderosa* Douglas ex Lawson) haplotypes in the western United States: Implications for evolutionary history and conservation. *PLoS One*, 11(3): e051811, doi:10.1371/journal.pone.0151811, 24 pp.

Shreve, Forrest

1942 19.2378 The vegetation of Arizona. *In:* Kearney, Thomas H., Peebles, Robert H., and collaborators, Flowering plants and ferns of Arizona. *U.S. Department of Agriculture, Miscellaneous Publication 423*, pp. 10-23.

Shryock, Daniel F.; DeFalco, Lesley A.; AND Esque, Todd C.

2018 19.6002 Spatial decision-support tools to guide restoration and seed-sourcing in the Desert Southwest. *Ecosphere*, 9(1) (October): Article e02453, 19 pp. + Supporting Information online at http://onlinelibrary.wiley.com/doi/10.1002/ecs2.2453/full (Appendices S1-S3 [PDFs]; Metadata S1, S2 [PDFs]; Data S1, S2 [.txt, .7z files]).

► Mojave, Sonoran, and Colorado Plateau desert regions.

Shryock, Daniel F.; Esque, Todd C.; AND Hughes, Lee

2014 19.4668 Population viability of *Pediocactus bradyi* (Cactaceae) in a changing climate. *American Journal of Botany*, 101(11) (November): 1944-1953.

► Marble Canyon area. Monitoring sites at Badger Creek, Soap Creek, and North Canyon.

Shultz, Leila M.

2009 19.4931 Monograph of *Artemisia* Subgenus *Tridentatae* (Asteraceae—Anthemideae). *Systematic Botany Monographs*, Volume 89, 131 pp.

► See: *Artemisia bigelovii* A. Gray in Torrey (pp. 33-37), "Coconino Co.: 5 mi W of Fredonia, *Beetle 12973* (UTC)." "Mohave Co.: Kaibab Indian Reservation, *Shultz & Shultz 9833* (UTC)."

Artemisia nova A. Nelson (pp. 62-67), "Coconino Co.: S rim of Grand Canyon, *Beetle 12834* (RM); N rim of Grand Canyon, *Eastwood & Howell 7042* (CAS); House Rock Valley, 23 Aug 1956, *Ferguson s.n.* (ARIZ, UTC) . . . Cape Royal, 9 Aug 1950, *Ward s.n.* (UTC), *Ward 1803* (UTC). Mohave Co. [*sic*]: Grand View, *Hall 11188* (UC) . . . Grand Canyon, *Weber 14000* (COLO)."

Artemisia tridentata Nuttall subsp. *tridentata* (pp. 76-81), "Coconino Co.: E entrance of Grand Canyon Natl Park, *Beetle 12987* (RM); W entrance of Grand Canyon Natl Park, *Beetle 13927* (RM); 14.4 mi N of Jacob Lake, 23 Aug 1956, *Ferguson s.n.* (UTC) . . . Grand Canyon, Rowe Well, *Nelson 10212* (RM). Mohave Co.: Grand Canyon Natl Park, *Eastwood 3602* (CAS)".

Artemisia tridentata Nuttall subsp. *wyomingensis* Beetle & A. M. Young (pp. 91-93), "Mohave Co.: 1.8 mi SW of junction of Arkansas Ranch Rd and Tuweep-Nixon Rd, 25 Aug 1956, *Ferguson s.n.* (UTC); Hurricane Fault site, 25 Aug 1956, *Ferguson s.n.* (UTC); Little Tank-Wolf Hole, 26 Aug 1956, *Ferguson s.n.* (UTC); 1.2 mi N of Toroweep Point Campground, 25 Aug 1956, *Ferguson s.n.* (UTC); Mokiah [*sic*] Pass, 26 Aug 1956, *Ferguson s.n.* (UTC); 3.8 mi W of Nixon, 25 Aug 1956, *Ferguson s.n.* (UTC); 4.3 mi E of the Mount Trumbull school, 26 Aug 1956, *Ferguson s.n.* (UTC)."

Artemisia filifolia Torrey (pp. 102-106), "Mohave Co.: Grand Canyon-Parashant National Monument, Black Canyon, *Atwood 27891* (UTC)."]

Siedo, Stephen Joseph

2006 19.3959 *Systematics of* Aloysia *(Verbenaceae).* Doctoral dissertation, University of Texas at Austin, 309 pp.

► See *Aloysia wrightii* (A. Gray) Heller (pp. 122-136): Representative specimens include: "Cococino Co. . . . Canyon of the Colorado, Havasupai Canyon, near Mooney Falls, Apr 1940, *E. U. Clover 42* (ARIZ, MICH); rocky limestone crevices, Hualpai Hilltop, Kaibab National Forest, 4 Sep 1945, *R. A. Darrow 3124* (ARIZ); Colorado River, CRM 31.5, South Canyon, above Stanton's Cave, ca. 30 m above river's edge, in cobble wash above sandy beach, 16 Oct 1990, *R. W. Scott 833* (NY); Havasu Canyon, ca. 1 mi. [1.6 km] above Supai Village, 18 25 Oct 1940, *A. F. Whiting 1047/4544* (ARIZ). [. . .] Mohave Co. . . . Base of Hurricane Rim, AZ Strip District; rocky, gravelly, loam limestone, 23 Nov 1987, *R. K. Gierisch 5025* (ARIZ); Grand Canyon National Monument, inner gorge of canyon, on level area below rim, just E of Vulcan's Throne, 30 Apr 1952, *E. McClintock 52-289* (CAS, ARIZ); Grapevine Wash, Meadview Villiage, small cliffs along tributary, 4 Oct 1976, *A. M. Phillips 76-260* (ARIZ); Crozier, between Peach Spring and Hackberry, 1 Oct 1927, *S. Braem s.n.* (CAS, GH)."]

Siemion, Gibney M.

2014 19.4990 Plant ecology of Grand Canyon. *In:* Black, Bronze (compiler, designer), *Canyon Explorations/Expeditions guide interpretive manual : the Colorado River through Grand Canyon.* Flagstaff, Arizona: Canyon Explorations/Expeditions, pp. 40-62.

► Black is a proprietary publication for the use of Canyon Explorations/Expeditions employees.

Siemion, Gibney M., AND Stevens, Lawrence E.

2015 19.5340 Interactions among *Tamarix* (Tamaricaceae), *Opsius stactogalus* (Cicadellidae), and litter fungi limit riparian plant establishment. *Advances in Entomology*, 3: 65-81.

► Study sites at Yuma, Willow Beach, Lees Ferry, and Echo Cliffs.

Sigleo, Wayne Richard

1971 19.1492 *Modern pollen distribution as related to vegetation communities and elevation in the Grand Canyon, Arizona.* Master's thesis, University of Arizona, 48 pp.

Siler, A. L.

1884 19.3200 In search of cactuses. *The Gardener's Monthly and Horticulturist*, 26 (February) (302): 51-53.

► Southern Utah and Arizona Strip vicinity.

Silva, Sam J.; Barbieri, Lindsay K.; AND Thomer, Andrea K.

2018 19.5910 Observing vegetation phenology through social media. *PLoS One*, 13(5): e0197325, 14 pp. + Supporting Information online, https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0197325#sec012 (Excel file).

► Includes Grand Canyon National Park.

Simmons, Virginia McConnell

1976 13.1174 Vasey's Paradise lost? The Inner Gorge of the Grand Canyon is much richer in flora than is generally recognized. *National Parks and Conservation Magazine*, 50(10) (October): 11-14.

Simpson, Beryl B., AND Salywon, Andrew

1999 19.1950 Krameriaceae; ratany family. *In:* A new flora for Arizona in preparation. *Arizona-Nevada Academy of Science, Journal*, 32(1): 57-61.

Sisk, Thomas D.

2010 19.4269 Box 2. Ranching, local ecological knowledge, and the stewardship of public lands. *In:* Planetary Stewardship. *Ecological Society of America, Bulletin*, (April): 172-174.

► Includes Kane Ranch, House Rock Valley.

Sisk, Thomas D.; Albano, Christine; Aumack, Ethan; Bernstein, Eli J.; Crews, Timothy E.; Dickson, Brett G.; Fluck, Steve; McMaster, Melissa; Rogers, Andi S.; Rosenstock, Steven S.; Schlosberg, David; Sieg, Ron; AND Thode, Andrea

2010 19.4599 Integrating restoration and conservation objectives at the landscape scale: The Kane and Two Mile Ranch project. *In:* Riper, Charles van, III, Wakeling, Brian F., and Sisk, Thomas D. (eds.), *The Colorado Plateau IV : shaping conservation through science and management.* Tucson: University of Arizona Press, pp. 45-68.

► Kane Ranch, Two Mile Ranch.

2015 19.4789 Integrating restoration and conservation objectives at the landscape scale: The Kane and Two Mile Ranch project [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 146-147.

► Kane Ranch, Two Mile Ranch.

Sisk, Thomas D.; Battin, James; Brand, Arriana; Ries, Leslie; Hampton, Haydee; AND Noon, Barry R.

2003 19.5985 *Modeling the effects of ecosystem fragmentation and restoration: Management models for mobile animals : final report : SERDP Project CS-1100.* Flagstaff, Arizona: Northern Arizona University, Center for Environmental Sciences and Education, *for* Strategic Environmental Research and Development Program, Arlington, Virginia, 39 pp. + *Appendix Volume 1 (Appendices I-II)*, 16 pp. + *Appendix Volume 2 (Appendices III-VII)*, 371 pp.

Sisk, Thomas D.; Noon, Barry R.; Battin, James; Brand, Arriana; Estelle, Veronica; Meyer, Cecilia; AND Ries, Leslie

1998 19.3969 *Modelling the effects of ecosystem fragmentation and restoration: Management models for mobile animals. Annual report, FY 1998.* [No imprint], 27 pp. + appendices [40 pp. total]. (CS-1100.)

► Study sites include Mount Trumbull.

Sisk, Thomas D.; Rundall, J. M.; Nielsen, E.; Dickson, B. G.; AND Sesnie, S. E.

2009 19.3845 *The Kaibab forest health focus : collaborative prioritization of landscapes and restoration treatments on the Kaibab National Forest.* [Flagstaff, Arizona]: Northern Arizona University, School of Earth Sciences and Environmental Sustainability, Applied Ecology Lab, Forest Ecosystem Restoration Analysis Project, *for* U.S. Forest Service, Kaibab National Forest, 123 pp.

Sisk, Thomas D.; Stortz, S. D.; AND Rundall, J. M.

2014 19.4671 *The Burnt Corral Vegetation Management Plan : collaborative proposed action.* [Flagstaff, Arizona]: Northern Arizona University, Landscape Conservation Initiative, *for* [U.S. Forest Service], Kaibab National Forest, North Kaibab Ranger District, 213 pp.

► Kaibab Plateau.

Skage, Jan-Ole; Nyeggen, Hans; AND Østgård, Åge

2012 19.6357 Utvikling av plantemateriale med fjelledelgran (*Abies lasiocarpa*) til produksjon av juletrær; femte prosjektfase for perioden 2010-2011. *Oppdragsrapport fra Skog og Landskap* (Norsk Institutt for Skog og Landskap, Ås, Norway), 12/2012, 13 pp. [In Norwegian.]

► Data for mountain spruce trees from seeds, including "De Motte, Kaibab, Arizona".

Skornia, Erin; Yang, Muxi; AND Applequist, Wendy L.

2015 19.6381 Phenetic analyses and revised classification of the *Ptelea trifoliata* complex (Rutaceae). *Western North American Naturalist*, 75(4): 406-428.

► Includes Grand Canyon.

Sleznick, James, Jr.

1961 19.1495 Orchids of Grand Canyon National Park. *American Orchid Society, Bulletin*, 30(5): 360-362.

Slotta, Tracey Ann Bodo

2000 19.4921 *Phylogenetic analysis of* Iliamna *(Malvaceae) using the internal transcribed spacer region.* Master's thesis, Virginia Polytechnic Institute and State University, 70 pp.

► Plant voucher specimens include *I. grandiflora* from "Grand Canyon, AZ" (p. 17). No specific text mention.

2004 19.4922 *Phylogenetics of the* Malacothamnus *alliance (Malvaceae): Assessing the role of hybridization and molecular and morphological variation in species delineation.* Doctoral dissertation, Virginia Polytechnic Institute and State University, 236 pp.

► Plant voucher specimens include *Iliamna grandiflora* from "Grand Canyon, AZ" (pp. 74, 99). No specific text mention.

Small, John Kunkel

1906 19.3606 Studies in North American Polygonaceae—II. *Torrey Botanical Club, Bulletin*, 33(1) (January): 51-57.

► See p. 56, *Eriogonum fusiforme*, new species; including Peach Springs, Arizona.

Smith, Beatrice Scheer

1994 19.1496 The 1872 diary of and plant collections of Ellen Powell Thompson. *Utah Historical Quarterly*, 62(2): 104-131.

► See also p. 103.

Smith, Charles Piper

1919 19.2122 Studies in the genus *Lupinus*—IV. The Pusilli. *Torrey Botanical Club, Bulletin*, 46(10): 389-410.

► See *L. kingii* Wats., p. 392-395; includes records from Grand Canyon.

1920 19.3571 Studies in the genus *Lupinus*—V. The Sparsiflori. *Torrey Botanical Club, Bulletin*, 47(11) (November): 487-509.

► See *L. sparsiflorus arizonicus* (Wats.) C. P. Smith, comb. nov., pp. 495-496; includes record from "Diamond Creek Canyon, April, 1893".

Smith, Christopher Irwin; Pellmyr, Olle; Althoff, David M.; Balcázar-Lara, Manuel; Leebens-Mack, James; AND Segraves, Kari A.

2007 19.3010 Pattern and timing of diversification in *Yucca* (Agavaceae): specialized pollination does not escalate rates of diversification. *Royal Society, Proceedings*, B (Biological Sciences), 275: 249-258.

► See p. 252; data include Grand Canyon region localities.

Smith, Edward

2011 19.4254 *Ecological relationships between overstory and understory vegetation in ponderosa pine forests of the Southwest.* [No place]: The Nature Conservancy, *for* U.S. Forest Service, Kaibab National Forest, 16 pp.

Smith, Frank J., AND Rentz, Lee H.

1980 19.5681 *Plants of the Virgin Mountains : a guide to common wildflowers, cacti, trees and shrubs of Arizona's Virgin Mountains.* [St. George, Utah]: U.S. Bureau of Land Management, Arizona Strip District, 51 pp.

2016 19.5704 *Plants of the Virgin Mountains : a guide to common wildflowers, cacti, trees and shrubs of Arizona's Virgin Mountains.* [No place]: Pathfinder, 85 pp. (A Pathfinder Book Reprint Edition.) [An on-demand publication.]

► "Originally prepared by the Bureau of Land Management. In this updated edition, January 2016, scientific names have been updated to those now generally accepted." (p. ii).

Smith, Helen Y.; Hood, Sharon; Brooks, Matt; Matchett, J. R.; AND Deuser, Curt

2005 19.2601 Response of fuelbed characteristics to restoration treatments in piñon-juniper-encroached shrublands on the Shivwits Plateau, Arizona [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 78.

Smith, Hilda; Arthur, Danace; Reed, Sasha; Belnap, Jayne; Nagler, Pamela; Ostoja, Steven; AND Shafroth, Patrick

2011 19.3906 Monitoring of vegetation, soil, and water use associated with biological control of *Tamarix* along the Colorado and Virgin Rivers [ABSTRACT]. *2011 Tamarisk Research Conference, February 16 and 17, Tucson, Arizona, Marriott University Park*.

Smith, Ida

1962 19.6337 The mystery of the little trees. *Arizona Highways*, 38(9) (September): 32-35.

► Predominantly blue spruce, Kaibab Plateau.

Smith, Richard H.

1977 19.3446 Monoterpenes of ponderosa pine xylem resin in western United States. *U.S. Forest Service, Technical Bulletin 1532*, 48 pp.

► Study plots include Kaibab National Forest sites labeled as Jacob Lake and Tusayan.

Smith, Roger; Bennett, David; AND Stevens, Lawrence E.

1991 19.1499 Riparian plant community structure in the Grand Canyon. *In: Colorado River Investigations #9 : July/August, 1990* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 104-118.

Smith, Stanley D., AND Nowak, Robert S.

1990 19.1500 Ecophysiology of plants in the Intermountain Lowlands. *In:* Osmond, C. B., Pitelka, L. F., and Hidy, G. M. (eds.), *Plant biology of the Basin and Range.* Berlin, New York [etc.]: Springer Verlag, pp. 179-241.

Smith, Thomas, AND Piccin, Theresa

2004 19.5026 Algal taxonomic survey of Zion National Park and Cedar Breaks National Monument, Utah, and Pipe Spring National Monument, Arizona. *Southwestern Naturalist*, 49(3): 395-406.

Snyder, Marc A.

1992 19.2164 Selective herbivory by Abert's squirrel mediated by chemical variability in ponderosa pine. *Ecology*, 73(5) (October): 1730-1741.

Sobeck, Eileen

2012 19.3693 Endangered and Threatened wildlife and plants; determination of status for the Glerisch Mallow and designation of critical habitat. *Federal Register*, 77(160) (August 17): 49894-49919.

Sogge, Mark K., AND Paxton, Eben H.

2005 19.2602 Is saltcedar habitat always bad for birds? Lessons from studies of the southwestern willow flycatcher [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 79.

Sogge, Mark K.; Sferra, Susan J.; AND Paxton, Eben H.

2008 19.4217 *Tamarix* as habitat for birds: Implications for riparian restoration in the southwestern United States. *Restoration Ecology*, 16(1) (March): 146-154.

Sommerfeld, Milton R.; Crayton, Wayne M.; AND Crane, Nancy L.

1976 19.1518 *Survey of bacteria, phytoplankton and trace chemistry of the lower Colorado River and tributaries in the Grand Canyon National Park.* Tempe, Arizona: Arizona State University, *Colorado River Research Program, Technical Report 12* (Grand Canyon National Park, Colorado River Research Series, Contribution 40), 136 pp. (National Technical Information Service PB 267731/AS.)

Sonoran Institute, AND The Nature Conservancy of Arizona

2001 19.6306 *A resource guide for invasive plant management in the Sonoran Desert.* [No place]: Sonoran Institute, and The Nature Conservancy of Arizona, 83 pp.

► See "Grand Canyon Weed Management Area" (p. 40); area "presently in the early planning stages", covers "Grand Canyon south to Williams and west to the Seligman area" and joins at the east to the San Francisco Peaks Wilderness Management Area.

Soreng, Robert J., AND Van Devender, Thomas R.

1989 19.1517 Late Quaternary fossils of *Poa fendleriana* (muttongrass): Holocene expansions of apomicts. *Southwestern Naturalist*, 34(1): 35-45.

Sørensen, Susan Schou

1999 19.6550 Den danske kaktuspioneer F.M. Knuth. *Kaktus og andre Sukkulenter* (Nordisk Kaktus Selskab), 34(1) (January): 6-7. [In Danish.]

► Cacti. Notes (p. 6, *in passing*) Knuth's visit to Grand Canyon in the 1920s.

Sotham, Margaret

1997 19.5411 The native plant conservation initiative; paying for restoration. *In:* U.S. National Park Service, *Natural resource year in review, 1996*. Washington, D.C.: U.S. National Park Service, p. 33.

Southwest Center for Biological Diversity

1996 19.5412 Salvage to slam North Rim of Grand Canyon. *Earth First! Journal*, 16(8) (November): 9.

► Logging.

Spamer, Earle E.

1998 19.1523 Something old, something new. *Lewisia* (Friends of the Academy Herbarium, Academy of Natural Sciences of Philadelphia), (1): 4.

► Knowlton hop-hornbeam, *Ostrya knowltonii* Cov.

2024 19.7012 Sara Lemmon and Jane Gray: The first and second non-Indigenous women to reach the bottom of the Grand Canyon. *The Ol' Pioneer* (Journal of the Grand Canyon Historical Society), 35(3) (Summer): 8-12.

► Regarding the wives of John Gill Lemmon and Asa Gray. The Lemmons, both botanists, had conducted an extended botanical exploration of the Peach Springs, Arizona, area in May 1884. The Grays, of whom the preeminent Asa had decided to make the stop when he realized how close they would be to the canyon, were en route home from the West Coast in May 1885, but their visit was effectively only an overnight one. The Lemmons and the Grays both went to the bottom down Peach Springs Wash to Diamond Creek. At the Farlee "hotel" on Diamond Creek, Asa Gray had written into the guest register a list of plants that he had observed. While the register no longer survives, the entry was fortuitously transcribed and published by Samuel Mills Tracy (see Gray, 1888, ITEM NO. 19.4561).

Sparavigna, Amelia Carolina

2016 19.6511 Patterned vegetation created by red harvester ants and evidenced in satellite images. *HAL archives-ouvertes*, ID: hal-02189240, https://hal.archives-ouvertes.fr/hal-012892040, [6] pp.

► Includes Toroweap Valley, Grand Canyon.

2016 19.6512 Patterned vegetation created by ants and observed in satellite images of rizona. *Philica (Elettronico)* (Politecnico di Torino, Repository Istituzionale), http://www.philica.com/printer_article.php?article_id=555, 3 pp.

► Includes Toroweap Valley, Grand Canyon.

Spence, John R.

1992 19.5526 *A monitoring program for the Endangered* Pediocactus bradyi *L. Benson, Lee's Ferry, Glen Canyon National Recreation Area : final report.* [No place]: [U.S. National Park Service], Glen Canyon National Recreation Area, Resource Management, 34 pp.

1993 19.3914 *A preliminary survey of hanging gardens and related vegetation along the Colorado River, Grand Canyon National Park.* Page, Arizona: Glen Canyon National Recreation Area, Resource Management Division, 13 [15] pp.

► Between Vasey's Paradise and Lava Falls.

1996 19.1531 Colorado River hanging gardens. *Nature Notes* (Grand Canyon National Park), 12(3) (Fall): 4-5.

2004 19.6693 *Surveys of springs in the Colorado River drainage in Arches National Park, Canyonlands National Park, Glen Canyon National Recreation Area, and Grand Canyon National Park : final report.* Page, Arizona: U.S. National Park Service, Glen Canyon National Recreation Area, *for* U.S. National Park Service, Water Resources Division, Denver, 4 volumes. (Account No. 1445-7431-NWZ (1997). Account No. 1445-8250-NWZ (1998).) [Cover title for each part (volume): *Biological and hydrological surveys of springs along the Colorado River, Utah and Arizona*.] [[Volume 1] "Part I", pp. 1-103. [Volume 2] "Part II—Appendices", pp. 105-189 (Appendices A1-A5). [Volume 3] "Part II—Appendices", pp. 190-396 (Appendix A6). [Volume 4] "Part II—Appendices", pp. 397-516 (Appendices A7-A9).]

2005 19.4367 Notes on significant collections and additions to the flora of Glen Canyon National Recreation Area, Utah and Arizona, between 1992 and 2004. *Western North American Naturalist*, 65(1): 103-111.

► Includes reach of Colorado River between Glen Canyon Dam and Lees Ferry.

2006 19.4043 Status of two rare endemic plants on the north Kaibab Plateau, north-central Arizona. *The Plant Press* (Arizona Native Plant Society), 30(2) (October): 14-15.

► *Castilleja kaibabensis*, Kaibab paintbrush; and *Lesquerella kaibabensis*, Kaibab bladderpod.

2008 19.2950 Spring-supported vegetation along the Colorado River, Colorado Plateau: Floristics, vegetation structure and environment. *In:* Stevens, Lawrence E., and Meretsky, Vicky J. (eds.), *Aridland springs in North America : ecology and conservation.* Tucson: University of Arizona Press.

2012 19.4464 A new look at ranking plant rarity for conservation purposes, with an emphasis on the flora of the American Southwest. *Calochortiana* (Utah Native Plant Society), (1) (December): 25-34.

Spence, John R.; Romme, William H.; Floyd-Hanna, Lisa; AND Rowlands, Peter G.

1994 19.5730 Appendix I: A preliminary vegetation classification for the Colorado Plateau. *In:* Rowlands, Peter G., *Colorado Plateau vegetation assessment and classification manual.* Flagstaff, Arizona: U.S. National Park Service, Colorado Plateau Research Station at Northern Arizona University, pp. 13-28. (Volume: *Technical Report NPSA/NAUCPRS/NRTR-94/06*.)

► Relates broadly to the Grand Canyon region. See also p. 18, listing of "Warm-temperate Lowland", with footnote: "This zone does not occur on the Colorado Plateau *per se*. However, some component species do occur in closely adjacent areas, such as in extreme western Grand Canyon National Park, and penetrate some distance (Havasu Creek) into the Plateau along the Colorado River Corridor."

1995 19.1532 A preliminary vegetation classification for the Colorado Plateau. *In:* Riper, Charles van, III (ed.), *Proceedings of the Second Biennial Conference on Research in Colorado Plateau National Parks*. U.S. National Park Service, Transactions and Proceedings Series NPS/NRNAU/NRTP-95/11, pp. 193-213.

2015 19.4754 A preliminary vegetation classification for the Colorado Plateau [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 21.

Spencer, John S., Jr.

1966 19.6668 *Arizona's forests.* Fort Collins, Colorado: Rocky Mountain Forest and Range Experiment Station, and Ogden, Utah: Intermountain Forest and Range Experiment Station, 56 pp., map. (U.S. Forest Service, Resource Bulletin INT-6.)

Spenny, Dave, AND Veeder, Deb

2010 19.4169 Walking Stick enjoyed slide show, part 2. *In:* Sticky Notes (News of the Walking Stick Chapter) [SECTION]. *C.C.S.S. News* (Colorado Cactus and Succulent Society), 14(21 [*sic*, 12]) (December): 3-5.

► Report on second half of "Canyon Country Slide Show" presented at the November meeting by Veeder and Spenny. Introduced by a brief editor's paragraph, the article comprises photos and legends only, apparently from several trips hiking in Grand Canyon. Includes photos of plants observed. (First half of presentation was largely about Upper Basin locales.) [For part 1 see Barnett *et al.* (2010, ITEM NO. 19.4168).]

Splendens, F. [*pseudonym*] [Quartaroli, Richard D.]

2013 19.4082 Grand Canyon's other rose and first botanist. *Grand Canyon River Runner*, (15) (Spring): 12-13.

► Rose E. Collom, Grand Canyon National Park's first paid botanist.

Springer, Judith D. [Springer, Judy]

2002 19.4636 Ecological restoration in northern Arizona ponderosa pine forests: Effects on native and introduced plant species. *The Plant Press* (Arizona Native Plant Society), 26(3) (Autumn): 3-4.

Springer, Judith D.; Daniels, Mark L.; AND Nazaire, Mare

2009 19.3372 *Field guide to forest and mountain plants of northern Arizona : from the Mogollon Rim and White Mountains north.* Flagstaff, Arizona: Ecological Restoration Institute, Northern Arizona University, 649 pp.

Springer, Judith D.; Stoddard, Michael T.; Rodman, Kycle C.; Huffman, David W.; Fornwalt, Paula J.; Pedersen, Rory J.; Laughlin, Daniel C.; McGlone, Christopher M.; Daniels, Mark L.; Fulé, Peter Z.; Moore, Margaret M.; Kerns, Becky K.; Stevens, Jens T.; Korb, Julie E.; AND Souther, Sara

2024 19.6821 Increases in understory plant cover and richness persist following restoration treatments in *Pinus ponderosa* forests. *Journal of Applied Ecology*, 61: 25-35 + Supporting Information online (Appendixes S1-S5).

► Study sites include Mt. Trumbull and Grandview.

Springer, Judith D.; Waltz, Amy E. M.; Fulé, Peter Z.; Moore, Margaret M.; AND Covington, W. Wallace

2001 19.3425 Seeding versus natural regeneration: A comparison of vegetation change following thinning and burning in ponderosa pine. *In:* Vance, Regina K., Edminster, Carleton B., Covington, W. Wallace, and Blake, Julie A. (compilers), Ponderosa pine ecosystems restoration and conservation: steps toward stewardship; conference proceedings; Flagstaff, AZ, April 25-27, 2000. *U.S. Forest Service, Rocky Mountain Research Station, Proceedings RMRS-P-22*, pp. 67-79.

Sprinkle, Jim; Grumbles, Rob; AND Meen, Art

2002 19.3819 Nutritional characteristics of Arizona browse. *University of Arizona, College of Agriculture and Life Sciences, Cooperative Extension, AZ1273*, 11 pp.

► Includes Arizona Strip.

Stacey, J. W.

1934 19.5294 Notes on *Carex*—I. *Leaflets of Western Botany*, 1(12) (November): 141-142.

► See p. 142, "In 1933, Mr. John Thomas Howell found this same species [*Carex pseudoscirpoidea* Rydb.] in the Grand Canyon, Arizona." (ENTIRE NOTE) *NOTE*: This gathering was reidentified by Stacey (1937, ITEM NO. 19.5293) as the new species *Carex curatorum*.

1937 19.5293 Notes on *Carex*—VIII. *Leaflets of Western Botany*, 2(1) (January): 13-16.

► See *Carex curatorium* [*sic*], new species, type from "[North] Kaibab Trail to Roaring Springs, Grand Canyon National Park". Species named for the collectors, Alice Eastwood, curator, and J. T. Howell, assistant curator, Department of Botany, California Academy of Sciences. Noticed thereafter in literature with the Latin suffix of the specific epithet grammatically corrected, as *Carex curatorum*.

Standley, Paul C.

1909 19.4964 The Allioniaceae of the United States with notes on Mexican species. *U.S. National Herbarium, Contributions*, 12(Part 8): 303-389, plates. (As part of *U.S. National Museum, Bulletin*.)

► See: *Abronia nana* S. Wats., examined specimens include "Grand Canyon, 1884, *Lemmon*" (p. 317)

Allionia pachyphylla Standley, new species, type from "Grand Canyon, 1892, *Toumey* 485", cotype in University of Arizona herbarium, examined specimens from "Red Canyon Trail, Grand Canyon, 1901, *Ward*; Grand Canyon, 1892, *Wooton*" (p. 336)

Quamoclidioni multiflorum Torr., examined specimen from "Grand Canyon, *Millspaugh* 94" (p. 358)

Boerhaavia wrightii A. Gray, examined specimen from "Grand Canyon, 1901, *Leiberg* 5933" (p. 385).]

States, Jack S.

1978 19.1538 Soil fungi of cool-desert plant communities in northern Arizona and southern Utah. *Arizona-Nevada Academy of Science, Journal*, 13: 13-17.

1990 19.1539 *Mushrooms and truffles of the Southwest.* Tucson: University of Arizona Press, 233 pp.

States, Jack S., AND Gaud, W. S.

1997 19.6072 Ecology of hypogeous fungi associated with ponderosa pine. I. Patterns of distribution and sporocarp production in some Arizona forests. *Mycologia*, 89(5): 712-721.

► Coconino and Kaibab Plateaus.

Stemler, Casey

2006 19.2694 Endangered and threatened wildlife and plants; initiation of a 5-year review of Maguire Daisy, Holmgren Milk-Vetch, Shivwits Milk-Vetch, Virgin River Chub, Woundfin, and Kanab Ambersnail. *Federal Register*, 71(67) (April 7): 17900-17902.

Sterling, John

2003 19.2430 Guest essay. Salt cedar assault. *The Wild Thing* (Grand Canyon Wildlands Council Newsletter), (Fall): 4.

Stevens, Bonnie

2023 19.6912 Celebrate Fall: Immerse yourself in nature, be unapologetically messy. *Flagstaff Business News* (Flagstaff, Arizona), 16(10) (October): 18, 34.

► About author and science reporter Melissa Sevigny and her new book, *Brave the Wild River*, about the 1938 Colorado River botanical expedition of Elzada Clover and Lois Jotter.

Stevens, C. L.; Phillips, A.; Young, S.; AND Counts, A.

2017 19.5971 Utilizing NASA earth observations to assist the National Park Service in monitoring shoreline land cover change in the lower Grand Canyon [ABSTRACT]. *American Geophysical Union, 2017 Fall Meeting, New Orleans, Louisiana, 11-15 December*, Abstract EP43A-1856.

► Eastern Lake Mead and western Grand Canyon.

Stevens, Jens T.; Safford, Hugh D.; North, Malcolm P.; Fried, Jeremy S.; Gray, Andrew N.; Brown, Peter M.; Dolanc, Christopher R.; Dobrowski, Solomon Z.; Falk, Donald A.; Farris, Calvin A.; Franklin, Jerry F.; Fulé, Peter Z.; Hagmann, R. Keala; Knapp, Eric E.; Miller, Jay D.; Smith, Douglas F.; Swetname, Thomas W.; AND Taylor, Alan H.

2016 19.5003 Average stand age from forest inventory plots does not describe historical fire regimes in ponderosa pine and mixed-conifer forests of western North America. *PLoS One*, 11(5): e0147688, doi:10.1371/journal.pone.0147688, 20 pp.

▶ Data included from Galahad Point, Kaibab Plateau.

Stevens, Lawrence Edward [Stevens, Larry]

1985 19.1550 *Invertebrate herbivore community dynamics on* Tamarix chinensis *Loueiro and* Salix exigua *Nuttall in the Grand Canyon, Arizona.* Master's thesis, Northern Arizona University, 162 pp.

1989 19.1554 *Mechanisms of riparian plant community organization and succession in the Grand Canyon, Arizona.* Doctoral dissertation, Northern Arizona University, 115 pp.

1989 19.1556 Tamarisk (Tamaricaceae: *Tamarix ramosissima*) seedling establishment in the Colorado River corridor, Grand Canyon National Park, 1989. *In: Colorado River Investigations VIII : July/August, 1989* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 151-157.

1989 19.5152 The status of ecological research on tamarisk (Tamaricaceae: *Tamarix ramosissima*) in Arizona. *In:* Kunzmann, Michael R., Johnson, R. Roy, and Bennett, Peter S. (eds.), *Tamarisk control in southwestern United States : proceedings of Tamarisk Conference, University of Arizona, Tucson, Arizona, September 2 and 3, 1987.* U.S. National Park Service, Cooperative National Park Resources Studies Unit, School of Renewable Natural Resources, University of Arizona; Cooperative National Park Resources Studies Unit Special Report 9, pp. 99-105. [Volume also revised, August 1990.]

▶ Experiments in progress at Lees Ferry.

1991 19.1571 Riparian plant succession along the dam-regulated Colorado River, Grand Canyon, Arizona [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 26(Proceedings Supplement): 18-19.

1992 19.1558 The GCES riparian vegetation study. *Glen Canyon Environmental Studies Update*, (Winter): 3.

1992 19.1560 Long-term monitoring of riparian biotic resources in the Colorado River corridor, Glen and Grand Canyons, Arizona. *In: Long-Term Monitoring Workshop for the Grand Canyon, October 5-6, Irvine, California.* [National Research Council, Water Science and Technology Board], 18 pp. [separately paginated].

1993 19.1562 Controlling the aliens: Ravenna grass in Grand Canyon. *The News* (Grand Canyon River Guides), 6(4) (Fall): 28.

1997 19.5242 Alien hosts: Wildlife habitat use of tamarisk in the American Southwest [ABSTRACT]. *In: Eleventh Meeting of the Arizona Riparian Council : Windemere Resort and Conference Center, Sierra Vista, Arizona, April 11-12, 1997 : Saltcedar: Friend or Foe? : program and abstracts, 1997*, pp. 16-17.

▶ Features Grand Canyon.

1997 19.5243 Failing aliens: Dam impacts on tamarisk in the Grand Canyon, Arizona [ABSTRACT]. *In:* *Eleventh Meeting of the Arizona Riparian Council : Windemere Resort and Conference Center, Sierra Vista, Arizona, April 11-12, 1997 : Saltcedar: Friend or Foe? : program and abstracts, 1997*, p. 18.

1997 19.6917 Natural and altered patterns of riparian plant diversity, Grand Canyon, Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 36.

► For oral presentation; differs slightly from that for the poster session.

1997 19.6918 Natural and altered patterns of riparian plant diversity, Grand Canyon, Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 191.

► For poster session; differs slightly from that for the oral presentation.

1999 19.1566 A telling tree. *In:* Collier, Michael, *Water, earth, and sky : the Colorado River basin.* Salt Lake City: University of Utah Press, pp. 91-103.

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► Alien plant species.

2005 19.2726 Synthesis of salt cedar ecology, management, and control. *In:* Grand Canyon Wildlands Council, *Glen and Grand Canyon riparian restoration project: Final report for Arizona Water Protection Fund, Contract Number 99-075WPF*. Flagstaff, Arizona: Grand Canyon Wildlands Council, Inc., *for* Arizona Water Protection Fund, Phoenix, pp. 14-58. [CD also accompanies full report.]

Stevens, Lawrence E., AND Ayers, Tina J.

1991 19.5531 *The impacts of Glen Canyon Dam on riparian vegetation and soil stability in the Colorado River corridor, Grand Canyon, Arizona: 1991 draft annual report.* [No place], *for* U.S. National Park Service, Cooperative Studies Unit, Northern Arizona University, Flagstaff, Arizona, [94] pp. (Cooperative Agreement CA 9000-8-0002.)

1993 19.1568 The influence of Glen Canyon Dam operations on plant water relations and growth of native *Salix exigua* and exotic *Tamarix ramosissima* in the Colorado River corridor, Grand Canyon National Park, Arizona. *In:* [Glen Canyon Environmental Studies] *The impacts of Glen Canyon Dam on riparian vegetation and soil stability in the Colorado River corridor, Grand Canyon, Arizona: 1992 final report*.

1993 19.5532 *The effects of interim flows from Glen Canyon Dam on riparian vegetation along the Colorado River in Grand Canyon National Park, Arizona: draft 1992 annual report.* [No place]: *for* U.S. National Park Service, Cooperative Studies Unit, Northern Arizona University, Flagstaff, Arizona, 39, 7 pp. (Cooperative work order CA 8021-8-0002.)

1993 19.5533 A supplemental report: A proposed program to control exotic Ravenna grass (Poaceae: *Saccharum ravennae*) in the Colorado River riparian corridor, Grand Canyon National Park. *In:* Stevens, Lawrence E., and Ayers, Tina J., *The effects of interim flows from Glen Canyon Dam on riparian vegetation along the Colorado River in Grand Canyon National Park, Arizona: draft 1992 annual report.* [No place]: *for* U.S. National Park Service, Cooperative Studies Unit, Northern Arizona University, Flagstaff, Arizona, 7 pp. [separately paginated].

1995 19.5534 *The effects of interim flows from Glen Canyon Dam on riparian vegetation along the Colorado River in Grand Canyon National Park, Arizona: final report.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, *for* U.S. National Biological Survey, Northern Arizona University, Flagstaff, Arizona, SEPARATELY PAGINATED SECTIONS [210 pp. total]. (Cooperative work order CA 8021-8-0002.)

2002 19.2457 The biodiversity and distribution of exotic vascular plants and animals in the Grand Canyon region. *In:* Tellman, Barbara (ed.), *Invasive exotic species in the Sonoran region*. Tucson: University of Arizona Press and Arizona-Sonora Desert Museum, pp. 241-265.

Stevens, Larry [Stevens, Lawrence E.]**, AND Burke, Kelly**

2001 19.2033 Riparian restoration at Lees Ferry. *Boatman's Quarterly Review*, 14(1) (Spring): 17.

Stevens, Lawrence E., AND Siemion, Gibney

2012 19.5259 Tamarisk reproductive phenology and Colorado River hydrography, southwestern USA. *Arizona-Nevada Academy of Science, Journal*, 44(1): 46-58.

► Field studies in Glen and Grand Canyons, 1984-2009.

Stevens, Lawrence E., AND Waring, Gwendolyn L.

1985 19.3712 The effects of prolonged flooding on the riparian plant community in Grand Canyon. *In:* Johnson, R. Roy, Ziebell, C. D., Paton, D. R., Ffolliott, P. F. and Hamre, R. H. (eds.), Riparian ecosystems and their management; reconciling conflicting uses; Proceedings of the First North American Riparian Conference, April 16-18, 1985, Tucson, Arizona. *U.S. Forest Service, General Technical Report 120*, pp. 81-86.

1986 19.1572 The effects of post-dam flooding on riparian substrates, vegetation, and invertebrate populations in the Colorado River corridor in Grand Canyon, Arizona. *Glen Canyon Environmental Studies Report 19*, 166 pp. (Terrestrial Biology of the Glen Canyon Environmental Studies.) (National Technical Information Service PB88-183488/AS.)

1988 19.5510 Effects of post-dam flooding on riparian substrates, vegetation, and invertebrate populations in the Colorado River corridor in Grand Canyon. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 229-243.

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2001 19.2165 Planned flooding and Colorado River riparian trade-offs downstream from Glen Canyon Dam, Arizona. *Ecological Applications*, 11(3): 701-710.

Stevens, Lawrence E.; Burke, Kelly J.; AND Pilkington, Lonnie

2017 19.5898 Colorado River riparian ecosystem rehabilitation in Glen Canyon National Recretaion Area, Arizona. *In:* Ralston, Barbara E., and Sarr, Daniel A. (eds.), Case studies of riparian and watershed restoration in the southwestern United States—principles, challenges, and successes. *U.S. Geological Survey, Open-File Report 2017-1091*, pp. 46-54.

► Colorado River between Glen Canyon Dam and Lees Ferry.

Stevens, Lawrence E.; Burke, Kelly J.; Spence, John R.; Pilkington, Lonnie; AND Hughes, Christopher

2015 19.4795 Colorado River riparian ecosystem rehabilitation in Glen Canyon National Recreation Area, Arizona [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, pp. 176-177.

► Abstract in advance of paper in press *in* Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *Proceedings of the Eleventh Biennial Conference of Research on the Colorado Plateau*. Colorado River below Glen Canyon Dam.

2015 19.5116 Colorado River riparian ecosystem rehabilitation in Glen and Grand Canyons, Arizona. *In:* Huenneke, Laura F., Riper, Charles van, III, and Hays-Gilpin, Kelley A. (eds.), *The Colorado Plateau VI : science and management at the landscape scale.* Tucson: University of Arizona Press. (11th Biennial Conference of Research on the Colorado Plateau.)

Stevens, Lawrence E.; Palmquist, Emily C.; Fairley, Helen C.; AND Sankey, Joel B.

2022 19.6843 Common reed (*Phragmites australis americanus*) ecology and responses to flow regulation along the Colorado River in Grand Canyon, Arizona, USA [ABSTRACT]. *In: 16th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 12-15, 2022, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona*, pp. 177-178.

Stevens, Lawrence E.; Schmidt, John C.; Ayers, Tina J.; AND Brown, Bryan T.

1995 19.1580 Flow regulation, geomorphology, and Colorado River marsh development in the Grand Canyon, Arizona. *Ecological Applications*, 5(4) (November): 1025-1039.

Stevens, Larry [Stevens, Lawrence E.]**; Siemion, Gibney; Weisberg, Peter; AND Mortenson, Susan**

2008 19.2698 River weed: The good, the bad, and the weird complexity of nonnative tamarisk invasion in the Southwest. *Grand Canyon River Runner*, (6) (Spring): 4-5.

Stockert, John W., AND Stockert, Joanne W.

1967 19.1583 *Common wildflowers of the Grand Canyon.* Salt Lake City, Utah: Wheelwright Press, 52 pp.

Stoddard, Michael Todd

2006 19.2919 *Slash additions: A tool for restoring herbaceous communities in degraded pinyon-juniper woodlands.* Master's thesis, Northern Arizona University, 97 pp.

Stoddard, Michael T.; Huffman, David W.; Alcoze, Thom M.; AND Fulé, Peter Z.

2008 19.4489 Effects of slash on herbaceous communities in pinyon-juniper woodlands of northern Arizona. *Rangeland Ecology and Management*, 61(5) (September): 485-495.

Stromberg, J.

1997 19.5244 Causes and consequences of saltcedar spread [ABSTRACT]. *In: Eleventh Meeting of the Arizona Riparian Council : Windemere Resort and Conference Center, Sierra Vista,*

Arizona, April 11-12, 1997 : Saltcedar: Friend or Foe? : program and abstracts, 1997, pp. 19-20.

► Notes Grand Canyon.

Strutin, Michele

1989 19.6759 Flowers in the wild; beyond beauty, wildflowers are critical to both the wild and modern medicine. *National Parks*, 63(5/6) (May/June): 29-34.

► See p. 32, remarks concerning *Pediocactus bradyi* "along the Colorado River, where Grand Canyon National Park and Glen Canyon National Recreation Area meet."

Sturdevant, Glen E.[6]

1926 19.1593 Utah juniper (Juniperus utahensis). *Grand Canyon Nature Notes*, 1(1) (March 6): cover, 3.

1926 19.1594 Western yellow pine (Pinus ponderosa). *Grand Canyon Nature Notes*, 1(2) (April 7): 2-4.

1926 19.1596 Pinon pine (Pinus edulis). *Grand Canyon Nature Notes*, 1(3) (May 13): 1-3.

1926 19.1599 "Mescal" (Agave utahensis). *Grand Canyon Nature Notes*, 1(4) (June 26): cover, [3]-"2" [*i.e.* 3-4].

1926 19.1603 Cliff rose (Cowania Stansburiana). *Grand Canyon Nature Notes*, 1(6) (September 22): cover, 1-2.

1926 19.1606 Cats claw (Acacia greggii). *Grand Canyon Nature Notes*, 1(8) (December 16): 2-3.

1927 19.16 Flora of the Tonto Platform. *Grand Canyon Nature Notes*, 1(12) (May 31): cover, 1.

1927 19.19 Arizona red-bud. *Grand Canyon Nature Notes*, 1(12) (May 31): 4.

1927 19.1612 Canyon rim roses. *Grand Canyon Nature Notes*, 2(3) (August 31): cover, 3.

1927 19.5372 Pinon nuts. *Grand Canyon Nature Notes*, 2(4) (September 30): 3.

1928 19.36 Results of a large crop of pinon nuts. *Grand Canyon Nature Notes*, 2(12) (May 31): 3.

1928 19.1621 Ironwood (Knowlton's hornbeam). *Grand Canyon Nature Notes*, 3(2) (July 31): 2-3.

► *Ostrya knowltonii* Cov.

1994 19.1626 Canyon rim roses. *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 60-61.

► Reprinted from *Grand Canyon Nature Notes*, August, 1927.

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[6] Numerous items in early issues of *Grand Canyon Nature Notes* have been attributed without author (cited as "Anonymous" by convention). However, beginning with Vol. 1, no. 12 (May 31, 1927), the masthead on p. 1 lists G. E. Sturdevant as a by-line (not editor) for entire issues; thus citations herein have been emended where necessary. Issue by-lines ceased with Sturdevant's death; the final issue with it was Vol. 3, no. 7 (January 15, 1929).

1994 19.1627 Catsclaw (Acacia greggii). *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, p. 67.

▶ Reprinted from *Grand Canyon Nature Notes*, December, 1926.

1994 19.1628 Pinyon pine (Pinus edulis). *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 67-68.

▶ Reprinted from *Grand Canyon Nature Notes*, May, 1926.

1994 19.1629 Western yellow pine (Pinus ponderosa). *In:* Lamb, Susan (ed.), *The best of Grand Canyon Nature Notes.* Grand Canyon, Arizona: Grand Canyon Natural History Association, pp. 71-72.

▶ Reprinted from *Grand Canyon Nature Notes*, April, 1926.

Stutz, Howard C., AND Sanderson, Stewart C.

1983 19.4511 Evolutionary studies of *Atriplex*: Chromosome races of *A. confertifolia* (shadscale). *American Journal of Botany*, 70(10) (November/December): 1536-1547.

▶ Within the scope of this bibliography, data include *A. confertifolia* from Gray Mountain, Cameron, 8 miles South of The Gap, and Navajo Bridge.

Stutz, Howard C.; Chu, Ge-Lin; AND Sanderson, Stewart C.

1994 19.1643 *Atriplex asterocarpa* (Chenopodiaceae), a new species from southern Utah and northern Arizona. *Madroño*, 41(3): 199-204.

Sudworth, George B.

1897 19.3206 Nomenclature of the arborescent flora of the United States. *U.S. Department of Agriculture, Division of Forestry, Bulletin 14*, 418 pp.

▶ See p. 147, *Ostrya knowltonii*.

1898 19.3207 Check list of the forest trees of the United States, their names and ranges. *U.S. Department of Agriculture, Division of Forestry, Bulletin 17*, 144 pp.

▶ See p. 50, *Ostrya knowltoni* (*sic*). *Ostrya knowltonii* Cov.

1934 19.5012 Poplars, principal tree willows and walnuts of the Rocky Mountain region. *U.S. Department of Agriculture, Technical Bulletin 420*, 111 pp.

Suksdorf, Wilhelm

1931 19.6696 Untersuchungen in der Gattung Amsinckia. *Werdenda* (Beiträge zur Pflanzenkunde) (Bingen, Washington), 1(5/8) (December 31): 47-113. [In German.]

▶ See: *Amsinckia nana*, new species; holotype "Ariz.; Hermit Creek, Grand Canyon of the Colorado River, 10. April 1917, *Alice Eastwood*, nr. 6016 (C. A.)" (pp. 85-86)
A. macrosepala, new species; isotypes include "Grand Canyon, 1885, *Gray* (G. H.)" (p. 108).

Sun, F.-J., AND Downie, S. R.

2004 19.4359 A molecular systematic investigation of *Cymopterus* and its allies (Apiaceae) based on phylogenetic analyses of nuclear (ITS) and plastid (*rps*16 intron) DNA sequences. *South African Journal of Botany*, 70(3): 407-416.

► Also lists new GenBank accessions, which include *Aletes macdougalii* J.M. Coult. & Rose subsp. *macdougalii*, from "Grand Canyon, Kaibab Trail to Roaring Springs, 23 June 1933, *Eastwood & Howell 986* (UC)" (p. 409).

Sundell, Eric

1990 19.1647 Notes on Arizona *Asclepias* (Ascelpiadaceae) with a new combination. *Phytologia*, 69(4): 265-270.

1994 19.1648 Asclepiadaceae; milkweed family. [*In*: A new flora for Arizona in preparation.] *Arizona-Nevada Academy of Science, Journal*, 27(2): 169-187.

SWCA, Inc.

1993 19.1656 *Monitoring and evaluating the impacts of Glen Canyon Dam interim flows on riparian communities in the lower Grand Canyon : final annual report 1992*; submitted to Hualapai Tribe. [Flagstaff, Arizona, and Tucson]: SWCA, Inc., 29 pp. + appendices.

Swearingen, Jil, AND Saltonstall, Kristin

2010 19.3843 Phragmites *field guide: Distinguishing native and exotic forms of common reed (*Phragmites australis*) in the United States.* [No place]: Plant Conservation Alliance, Weeds Gone Wild, 34 pp.

► Regarding Grand Canyon specifically, see photo, p. 12, "Native *Phragmites* in the Grand Canyon, Arizona."

Sweat, Ken G.; Gremillion, P. T.; AND Nash, Thomas H., III

2010 19.3346 Mercury concentrations in the lichen *Xanthoparmelia* spp. in the greater Grand Canyon region of Arizona, USA. *In:* Nash, Thomas H., III, Geiser, Linda, McCune, Bruce, Triebel, Dagmar, Tomescu, Alexandru M. F., and Sanders, William B. (eds.), Biology of lichens—symbiosis, ecology, environmental monitoring, systematics and cyber applications; selected papers related in part to the IAL 6 Symposium, Asilomar, California, 2008. *Bibliotheca Lichenologica*, Volume 105, pp. 93-102. [International Association for Lichenology.]

Sweat, Ken G.; Iselin, William A.; Bates, Scott T.; AND Nash, Thomas H., III

2004 19.2511 The lichens of Parashant National Monument, Arizona: A preliminary study. *Arizona-Nevada Academy of Science, Journal*, 37(2) (July): 85-90.

► Grand Canyon-Parashant National Monument.

Sweat, Ken G.; Nash, Thomas H., III; Prapaipong, Panjai; AND Gremillion, Paul

2008 19.4349 Geographic patterns of trace metal deposition using the lichen *Xanthoparmelia* in northern and central Arizona, USA [ABSTRACT]. *In: Abstracts for IAL 6-ABLS Joint*

Meeting (2008). International Association for Lichenology, and American Bryological and Lichenological Society, [unpaginated].

► Notes two study areas, "The northern, rural area consisted of 51 locations within or near Grand Canyon National Park"; the second area in Maricopa County.

Swedo, Suzanne

2013 19.4158 Prickly pear cactus. *Grand Canyon River Runner*, (16) (Winter): 6-8.

Swingle, Walter T.

1904 19.5890 The date palm and its utilization in the southwestern states. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 53*, 155 pp.

► Principally lower Colorado River region when discussing this part of the Southwest, but includes occasional references to Grand Canyon and locales in the vicinity of the canyon.

T

Talakte, Alice J.

2003 19.2365 My sister, the juniper tree; a comparison of a juniper tree and myself. *Nature Notes* (Grand Canyon National Park), 19(1) (Winter 2002-2003): 4 [two-page fold-out].

Tallent-Halsell, Nita G., AND Walker, Lawrence R.

2002 19.2353 Responses of *Salix gooddingii* and *Tamarix ramosissima* to flooding. *Wetlands*, 22(4): 776-785.

Tamarisk Coalition

NO DATE 19.6010 *Why are my trees brown? Tamarisk and the tamarisk beetle.* Grand Junction, Colorado: Tamarisk Coalition, folded pamphlet.

2009 19.3943 *Colorado River basin tamarisk and Russian olive assessment.* Grand Junction, Colorado: Tamarisk Coalition, *for* Central Arizona Water Conservation District, Colorado Water Conservation Board, New Mexico Interstate Stream Commission, Six Agency Committee, Southern Nevada Water Authority, Utah Division of Water Resources, and Wyoming State Engineer's Office, SEPARATELY PAGINATED SECTIONS [329 pp. total]. (Document preparation managed by Gerald Zimmerman and Tom Ryan.)

2012 19.3618 *Tamarisk Coalition's tamarisk leaf beetle monitoring program evaluation, 2007-2011.* Grand Junction, Colorado: Tamarisk Coalition, 14, 2, 7 pp.

Tang, Shunxue, AND Knapp, Steven J.

2003 19.5976 Microsatellites uncover extraordinary diversity in Native American land races and wild populations of cultivated sunflower. *Theoretical and Applied Genetics*, 106(6) (April): 990-1003.

► Includes Havasupai cultivar.

Tansley, A. G.

1914 19.2125 International Phytogeographical Excursion (I.P.E.) in America, 1913. (concluded). *New Phytologist*, 13(10) (December): 325-333.

► Notes, *in passing*, a side trip to Grand Canyon, with no details, pp. 330, 331.

Tarnita, Corina E.; Bonachela, Juan A.; Sheffer, Efrat; Guyton, Jennifer A.; Coverdale, Tyler C.; Long, Ryan A.; AND Pringle, Robert M.

2017 19.6513 A theoretical foundation for multi-scale regular vegetation patterns. *Nature* (London), 541 (January 19): 398-401 + Supplementary Information with online version of the paper, 32 pp.

► Data in paper include "Arizona", without specific localitiy. Supplementary Information, p. 16, includes notice of the research by Sparavigna (2016, ITEM NO. 19.6511), which included the identification of ant activity in satellite imagery of Toroweap Valley, Grand Canyon.

Tausch, Robin J., AND Hood, Sharon M.

2007 19.4305 Pinyon/juniper woodlands. *In:* Hood, Sharon M., and Miller, Melanie (eds.), Fire ecology and management of the major ecosystems of southern Utah. *U.S. Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-202*, pp. 57-71.

► Includes Arizona Strip.

Taylor, Nigel Paul

1983 19.5292 Die Arten der Gattung *Escobaria* Britton & Rose. 3. *Kakteen und andere Sukkulenten* (Deutsche Kakteen-Gesellschaft; Gesellschaft Österreichischer Kakteenfreunde; Schweizerische Kakteen-Gesellschaft), 34: 136-140. [In German.]

► See *Escobaria vivipara* (Nuttall) F. Buxbaum var. *kaibabensis* (P. C. Fischer) N. P. Taylor.

Taylor, Robin M., AND Ayers, Tina J.

2006 19.5589 Systematics of *Salvia pachyphylla* (Lamiaceae). *Madroño*, 53(1): 11-24.

► Collections used in molecular analysis include specimens from near Cameron, Arizona, Shadow Mountain, and Grand Canyon (p. 13); however, taxonomic treatment of subspecies (p. 19 and following) do not include specimens from the region embraced by this bibliography.

Taylor, Roger

1996 19.3181 Mt. Trumbull ecosystem restoration project. *In:* Covington, Wallace, and Wagner, Pamela K. (technical coordinators), Conference on adaptive ecosystem restoration and management: restoration of cordilleran conifer landscapes of North America, June 6-8, 1996, Flagstaff, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-278*, pp. 75-79. [*NOTE*: Cover title gives conference dates as June 6-8, 1995.]

Taylor, Therean E., AND Taylor, Karen L.

1992 19.1660 (COMPILERS) *Checklist of selected plants of the Grand Canyon area.* Grand Canyon Natural History Association, 16 pp.

Taylor, William R., AND Colton, Harold S.

1928 19.1662 The phytoplankton of some Arizona pools and lakes. *American Journal of Botany*, 15(10) (December): 596-614.

► Includes Kaibab Plateau (collection sources at Bright Angel Ranger Station, V. T. Park, and Jacob Lake) and House Rock Valley.

1934 19.1663 Recent publication: The phytoplankton of some Arizona pools and lakes. *Grand Canyon Nature Notes*, 9(6): 326.

Tecle, Aregai, AND Covington, W. Wallace

1991 19.3671 (TECHNICAL EDS.) *Multiresource management of southwestern ponderosa pine forests: The status of knowledge.* Flagstaff, Arizona: School of Forestry, Northern Arizona University, 410 pp. [Cover sheet has imprint of U.S. Forest Service, Southwestern Region (no document number).]

► Includes Kaibab Plateau.

Tecle, Aregai; Dykstra, D. P.; Garrett, L. D.; AND Covington, W. Wallace

1990 19.1664 Soil loss prediction from southwestern ponderosa pine forest ecosystem [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 25 (1990 Proceedings Supplement): 36.

Temple, Bill

2000 19.5355 Orchid and sightseeing tour of the West Coast of USA. *The Hardy Orchid Society Newsletter* (Stour Provost, Dorset, United Kingdom), (18) (October): 5-7.

► See p. 6, brief remarks of having visited South Rim of Grand Canyon, and on North Rim "we saw *Goodyera oblongifolia* again and Weidemeyer's Admiral butterfly" (ENTIRE NOTE).

Tenneson, Karis; Patterson, Matthew S.; Mellin, Thomas; Nigrelli, Mark; Joria, Peter; AND Mitchell, Brent

2018 19.5794 Development of a regional lidar-derived model with Bayesian model averaging for use in ponderosa pine and mixed conifer forests in Arizona and New Mexico, USA. *Remote*

Sensing, 10(442), 28 pp. + Supplementary Materials (Table S1, 1 p.) online, doi:10.2290/10030442.

► Includes Kaibab Plateau.

Tepedino, Vincent J.; Mull, John; Griswold, Terry L.; AND Bryant, Gerald

2014 19.5802 Reproduction and pollination of the endangered dwarf bear-poppy *Arctomecon humilis* (Papaveraceae) across a quarter century: Unraveling of a pollination web? *Western North American Naturalist*, 74(3): 311-324.

► Study sites in extreme southwestern Utah. See p. 315, brief remark on investigations in adjacent regions, including the Arizona Strip; and p. 320, brief remark on the improbability of recolonizing of Utah sites from the Lake Mead region by sister species *A. californica*.

Terrazas, Dana

2019 19.6173 Shelly Alam and Wendy Hodgson. Between the Garden's two longest-serving employees, their time here almost equals our 80 years of existence. But their dedication, passion, and love for the Garden certainly continues to grow. *Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 73(1) (January): 5.

► Includes note, *in passing*, of Hodgson's work in Grand Canyon. The photo of Hodgson is taken in the canyon.

Thayer, Dave

2003 19.2398 The champion cliff rose? *Canyon Views* (Grand Canyon Assocation Member Newsletter), 9(3) (Fall): 5.

Theobald, Kassy

2010 19.3118 Olla gardening at Soap Creek. *Boatman's Quarterly Review*, 23(1) (Spring): 8-9.

2011 19.3364 Soap Creek olla project update. *Boatman's Quarterly Review*, 24(1) (Spring): 10-11.

Theroux, Michael E.

1976 19.1665 Vascular flora of the Grand Canyon. *In:* Carothers, Steven W., and Aitchison, Stewart W. (eds.), *An ecological survey of the riparian zone of the Colorado River between Lees Ferry and the Grand Wash Cliffs, Arizona : final research report.* U.S. National Park Service, *Colorado River Research Program, Technical Report 10*, pp. 41-44.

Theroux, Michael E.; Pinkava, D. J.; AND Keil, D. J.

1977 19.1666 A new species of *Flaveria* (Compositae: Flaveriinae) from Grand Canyon, Arizona. *Madroño*, 24(1): 13-17.

► *Flaveria mcdougallii*, from gatherings along the Colorado River.

Thiers, Harry D.

1976 19.5164 Boletes of the southwestern United States. *Mycotaxon*, 3(2) (January/March): 261-273.

► Includes: *Boletus barrowsii* Thiers and Smith *ex* Thiers, new species (pp. 262-264), holotype from Jacob Lake, Arizona. [Smith = Alexander H. Smith]

Suillus kaibabensis Thiers, new species (pp. 266-268), holotype from Jacob Lake, Arizona

Suillus occidentalis Thiers, new species (pp. 268-270), holotype from Point Sublime, North Rim, Grand Canyon National Park.

Thivener, Jason

2001 19.6093 Help protect Kaibab Plateau old growth forests; slide show presentation available from Southwest Forest Alliance and Sierra Club. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 37(9) (December 2001/January 2002): 4.

Thomas, Gail Raabe

1979 19.2827 *The role of phloem sugars in the selection of ponderosa pine by the Kaibab squirrel.* Master's thesis, San Francisco State University, 62 pp.

Thomas, Kathryn; Wright, Karen; AND Arundel, Terence

1998 19.4178 Appendix. *In:* Cordasco, William C. (coordinator), *Biological assessment of the Coconino Plateau.* Flagstaff, Arizona: Babbitt Ranches, pp. 38-54 [Smith = Alexander H. Smith]Vegetation study. Appendix authors listed thus; but verso of document title-page indicates "Vegetation chapter; Kathryn Thomas".

Thomas, Lee

1947 19.4134 The trees that died. *In:* Letters [SECTION]. *Desert Magazine*, 10(8) (June): 35 [Smith = Alexander H. Smith]With regard to the article by Toney Richardson in March issue (ITEM NO. 19.4133). Attributes tree deaths to localized conditions during regional drought.

Thomas, Lisa P.; Norris, Jodi; Straka, Kristin; AND Monahan, Bill

2013 19.5447 Landscape analysis of environmental context and vegetation distribution patterns to support long-term monitoring in southern Colorado Plateau national parks: A pinyon-juniper woodland case study [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], p. 120.

► Includes Grand Canyon National Park.

Thommen, Ken

1997 19.6092 Restoring the Grand Canyon's forests. *Canyon Echo* (Sierra Club, Grand Canyon Chapter), 33(4) (May/June): 1.

► See also correction, (July/August): 4.

Thompson, Edward, AND Thompson, Lois D.

1991 19.1673 Comparative water potential in riparian plant species of the Grand Canyon National Park, Arizona. *In: Colorado River Investigations #9 : July/August, 1990* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 84-103.

Thompson, Robert S.; Anderson, Katherine H.; AND Bartlein, Patrick J.

1999 19.5757 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Introduction and conifers. *U.S. Geological Survey, Professional Paper 1650-A*, 269 pp.

1999 19.5758 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Hardwoods. *U.S. Geological Survey, Professional Paper 1650-B*, 423 pp.

Thompson, Robert S.; Anderson, Katherine H.; Bartlein, Patrick J.; AND Smith, Sharon A.

2000 19.5759 Atlas of relations between climatic parameters and distributions of important trees and shrubs in North America—Additional conifers, hardwoods, and monocots. *U.S. Geological Survey, Professional Paper 1650-C*, 386 pp.

Thomson, John W.

1991 19.5402 The lichen genus *Staurothele* in North America. *The Bryologist*, 94(4) (Winter): 351-367.

► See: *Staurothele areolata* (Ach.) Lett., including reference specimen from Furnace Flats, Grand Canyon National Park (p. 354; and distribution map, Figure 17, p. 360)
S. drummondii (Tuck.) Tuck., including reference specimen from "Grand Canyon National Park" (pp. 355-357; and distribution map, Figure 20, p. 363)
S. monicae (Zahlbr.) Wetm., including reference specimen from "along US Hwy. 89 [*i.e.*, 89A] S of Fredonia" (p. 362; and distribution map, Figure 23, p. 366).

Thorne, Robert F.

1986 19.2126 A historical sketch of the vegetation of the Mojave and Colorado deserts of the American Southwest. *In:* Topics in North American botany; a symposium commemorating George Engelmann: the Thirty-First Annual Systematics Symposium. *Missouri Botanical Garden, Annals*, 73(3): 642-651.

Tidestrom, Ivar

1910 19.1675 Species of *Aquilegia* growing in Utah and in adjacent portions of Colorado, Idaho and Arizona. *American Midland Naturalist*, 1(7) (April): 165-171, Plate 11.

Tidestrom, Ivar, AND Kittell, Teresita

1941 19.1676 *A flora of Arizona and New Mexico.* Washington, D.C.: Catholic University of America Press, 897 pp.

Timbrook, Steven

1985 19.5991 Problems of lectotypification in *Langloisia* (Polemoniaceae). *Taxon*, 34(3) (August): 522-524.

► Includes typification of *Navarretia setossima* Torrey & A. Gray, basionym for *Langloisia setosissima*; includes gatherings from the Ives expedition near "Diamond River" (Diamond Creek), as published in Gray *et al.* (1861, ITEM NO. 19.687), and from Frémont's expedition near the Virgin River.

Timdal, Einar

2001 19.6617 *Hypocenomyce oligospora* and *H. sierrae*, two new lichen species. *Mycotaxon*, 77 (January/March): 445-453.

► See *H. oligospora* (pp. 446-449). Type material is extralimital to this bibliography. Specimens examined include "Grand Canyon Nat. Park, South Rim, on Rowes Well Road near edge of park, alt. 7000 ft, 1966, Wetmore 14992 (MIN)" and "near East Lake on the Kaibab Plateau N of the Grand Canyon, ca. 17 km S of Jacob Lake, 36°34'N, 112°04'W, alt. 2620 m, 1983, Nash 21104 (ASU)".

Timmons, Michael; Johnson, Craig; AND Corballis, Colleen

2010 19.5579 (PRINCIPAL INVESTIGATOR, CO-INVESTIGATOR, GRADUATE RESEARCH ASSISTANT) *Pipe Spring National Monument Vegetation Management Plan Phase II.* Logan, Utah: Utah State University, Department of Landscape Architecture and Environmental Planning, SEPARATELY PAGINATED SECTIONS [382 pp. total]. ("Completed in partial fulfillment of Colorado Plateau Cooperative Ecosystem Studies Unit Cooperative Agreement #H1200-004-0002".)

► For Phase I see Johnson *et al.* (2009, ITEM NO. 3875).

Torrey, John

1853 19.1684 Botany. *In:* Sitgreaves, L., Report of an expedition down the Zuni and Colorado Rivers. *U.S. 32nd Congress, 2nd Session, Senate Executive Document 59*, pp. 153-178.

► Historical. Principally extralimital to this bibliography.

Towne, Charles Wayland

1951 19.3679 The tree ring historian; meet Arizona's Dr. Douglass, founder of dendrochronology and apostle of good cheer. *The Rotarian*, 78(5) (May): 19-20.

Tracy, DeeAnn

2000 19.1977 Food and medicine of the ancestors. *Boatman's Quarterly Review*, 13(2) (Spring): 18.

► Mesquite.

2001 19.2034 Brittlebush. *Boatman's Quarterly Review*, 14(2) (Summer): 10.

2001 19.2128 Agave. *Boatman's Quarterly Review*, 14(4) (Winter 2001-2002): 29.

2002 19.2217 Creosote. *Boatman's Quarterly Review*, 15(1) (Spring): 32.

2002 19.2265 Sego lilly—Calochortus nuttallii. *Boatman's Quarterly Review*, 15(2) (Summer): 4.

Tracy, S. M. [Tracy, Samuel Mills]

1888 19.3804 Report of an investigation of the grasses of the arid districts of New Mexico, Arizona, Nevada, and Utah. *In:* Report of an investigation of the grasses of the arid districts of Texas, New Mexico, Arizona, Nevada, and Utah, in 1887. *U.S. Department of Agriculture, Botanical Division, Bulletin 6*, pp. 5-29. [Whole number comprises 61 pp., 30 plates.]

► See "Peach Springs, Arizona, June 27", pp. 12-13; Grand Canon, Arizona, June 29" (*i.e.*, Peach Springs and Diamond Creek Canyons), p. 13. This is a species list. See also a descriptive list and plates, "Grasses and Forage Plants Figured in This Bulletin", p. 51 and following. Tracy also transcribed (p. 13) a list of plants that Asa Gray had written in "a 'visitors' register' at the camp here" (*i.e.*, the Farlee Hotel in Peach Springs Canyon), May 3, 1885 (also cited herein as Gray, 1888, ITEM NO. 19.4561).

Travis, Steven E.; Maschinski, Joyce; AND Keim, Paul

1996 19.1694 An analysis of genetic variation in *Astragalus cremnophylax* var. *cremnophylax*, a critically endangered plant, using AFLP markers. *Molecular Ecology*, 5(6) (December): 735-745.

► Applied to three known populations, two on South Rim of Grand Canyon, one on North Rim.

Trelease, William

1902 19.3565 The Yucceae. *Missouri Botanical Garden, Annual Report*, 1902: 27-133, 99 plates.

► See: note of *H. whipplei* (Torrey) Baker at mouth of Diamond Creek, Grand Canyon (p. 41)
Y. angustissima Engelmann in Grand Canyon region (p. 59)
Grand Canyon specimens illustrated, Plates 24 (*Yucca angustissima*), 68 (*Yucca baccata*), 83 (seeds of *Y. angustissima*), 85 (seeds of *Y. baccata*).

1911 19.3205 The smallest of the century plants. *Popular Science Monthly*, 78 (January): 5-15.

► See p. 10 and figure 9 (p. 11), century plant "Characteristic of the Grand Cañon" (with no further notice).

1911 19.6168 The desert group Nolineæ. *American Philosophical Society, Proceedings*, 50: 405-442, Plates 1-11. ("Read April 21, 1911.")

► Within the area covered by this bibliography, the distribution of this group is shown as in the lowermost Colorado River area, but see *Nolina bigelovii* Watson; specimens examined include in Arizona, "Havasupai Cañon (*Kinner*, 1900)" (p. 423) (ENTIRE NOTE).

1916 19.3420 *The genus* Phoradendron *: a monographic revision.* Urbana: University of Illinois, 224 pp., 245 Plates.

► See throughout; "Grand Canyon" specifically noted for *P. juniperinum* Engelmann, p. 23, Plate 2 [lower photo]; also "Bass Creek (Pilsbry, 1906)" [*i.e.*, Henry Pilsbry, 1906 collection] and "Bonelli's Ferry", pp. 22, 23.

Truettner, Charles M.; Ironside, Kirsten E.; Vankat, John L.; Cole, Kenneth L.; AND Cobb, Neil

2011 19.4551 Validating empirical bioclimatic model predictions of climate impacts: Spruce deline in northern Arizona [ABSTRACT]. *American Geophysical Union, 2011 Fall Meeting, San Francisco, California, 5-9 December*, Abstract B51C-0424.

► Picea engelmannii, P. pungens, Kaibab Plateau.

2013 19.5448 The recession of spruce-fir forest and emergence of no-analog forest types on the North Rim of Grand Canyon National Park [ABSTRACT]. *In: 12th Biennial Conference of Science and Management on the Colorado Plateau, September 16-19, 2013, Northern Arizona University, Flagstaff, Arizona : program and abstracts of presented papers and posters.* [Flagstaff, Arizona: Northern Arizona University], pp. 120-121.

Trulsson, Nora Burba

2019 19.6172 Feminine nature; through the years, strong women have shaped Desert Botanical Garden. *Sonoran Quarterly* (Desert Botanical Garden, Phoenix), 73(1) (January): 12-15.

► See "Wendy Hodgson", p. 13. Includes note, *in passing*, of her work in Grand Canyon

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Turn, Cyn-d

1989 19.1702 Plant species richness along the Colorado River in Grand Canyon National Park. *In: Colorado River Investigations VIII : July/August, 1989* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 144-150.

Turner, B. L.

1987 19.6038 Taxonomic study of *Machaeranthera*, Sections *Machaeranthera* and *Hesperastrum* (Asteraceae). *Phytologia*, 62(3) (March): 207-266.

Turner, Ben

2010 19.4986 South-West USA. *British Cactus and Succulent Society, Southampton and District Branch, Newsletter*, (October): 2-5.

► Extended summary of a talk given by Ian Woolnough on observations of cacti during a trip in the Southwest. Includes Vermilion Cliffs-Marble Canyon area.

Turner, Raymond M., AND Karpiscak, Martin M.

1980 19.1703 Recent vegetation changes along the Colorado River between Glen Canyon Dam and Lake Mead, Arizona. *U.S. Geological Survey, Professional Paper 1132*, 125 pp.

► Includes rephotography of historic photographs.

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Ulrich, Donna, AND Ulrich, Larry

1997 19.1709 Wildflowers; an intimate view. *Arizona Highways*, 73(3) (March): 24-31.

► See Kennedy's mariposa, Peach Springs Canyon, p. 26; golden columbine, Travertine Canyon, pp. 28-29; Colorado four-o'clock against banana yucca, Peach Springs Canyon, p. 30.

Ulrich, Larry

2002 19.2228 Canyon in bloom; a portfolio. *Arizona Highways*, 78(6) (June): 24-33.

U.S. Bureau of Land Management

2007 19.6013 *Record of Decision : vegetation treatments using herbicides on Bureau of Land management lands in 17 western states : Programmatic Environmental Impact Statement*, SEPARATELY PAGINATED SECTIONS [164 pp. total].

2011 19.6622 *Pakoon Springs : control of non-natives and management of public use : Grand Canyon-Parashant National Monument.* St. George, Utah: U.S. Bureau of Land Management, Grand Canyon-Parashant National Monument, 32 pp. (DOI-BLM-AZ-A030-2010-0004-EA.) [Environmental Assessment.]

U.S. Bureau of Land Management, Arizona State Office

2015 19.6105 *ADOT herbicide treatment program on Bureau of Land Management lands in Arizona : Environmental Assessment and Section 4(F) evaluation.* Phoenix: U.S. Bureau of Land Management, Arizona State Office, *for* Arizona Department of Transportation, and U.S. Federal Highway Administration, SEPARATELY PAGINATED SECTIONS (158 pp. total). (DOI-BLM-AZ-0000-2013-0001-EA.) [Cover title: *ADOT herbicide treatment program on Bureau of Land Management Lands in Arizona : Final Environmental Assessment*. Cover includes the logos of ADOT and U.S. Federal Highway Administration.]

U.S. Bureau of Land Management, Arizona Strip District, Arizona Strip Field Office, Grand Canyon-Parashant National Monument

2016 19.5870 *Uinkaret Mountains landscape restoration project : Environmental Assessment.* St. George, Utah: U.S. Bureau of Land Management, Arizona Strip District, Arizona Strip Field Office, Grand Canyon-Parashant National Monument, SEPARATELY PAGINATED SECTIONS [181 pp. total]. ([From pp. 5-4 to 5-5]: BLM preparers: Brian Bock, Patrick W. Fleming, David Van Alfen, Michael L. Cutler, Richard Spotts, Brian McMullen, Braden Yardley, Jeff Young, Bryan Hansen, Mark Wimmer, Lorraine Christian, Tim Burke. Other preparers: Joe David, Patricia Goude, Bruce Greco. Cooperating agencies: Arizona Game and Fish Department; Washington County, Utah; and Mohave County, Arizona.]

U.S. Bureau of Land Management, Arizona Strip Field Office

2015 19.6619 *Environmental Assessment for the proposed Kanab Creek riparian restoration project (DOI-BLM-AZ-A010-2015-0005-EA.)* St. George, Utah: U.S. Bureau of Land Management, Arizona Strip Field Office, 59 pp.

U.S. Bureau of Land Management, Grand Canyon-Parashant National Monument

2018 19.6557 *Tassi Ranch Site Management Plan : Environmental Assessment : PEPC-79750, DOI-BLM-AZ-A030-2018-0006.* St. George, Utah: U.S. Bureau of Land Management, Grand Canyon-Parashant National Monument, 78+ pp. [120 pp. total].

► Environmental rehabilitation.

U.S. Bureau of Land Management, Nevada State Office

2005 19.5655 *Vegetation treatments on Bureau of Land Management lands in 17 western states : Draft Biological Assessment.* Reno, Nevada: U.S. Bureau of Land Management, Nevada State Office, SEPARATELY PAGINATED SECTIONS [496 pp. total].

2007 19.5099 *Vegetation treatments on Bureau of Land Management lands in 17 western states : Final Biological Assessment.* Reno, Nevada: U.S. Bureau of Land Management, Nevada State Office, SEPARATELY PAGINATED SECTIONS [541 pp. total].

U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Kanab Ambersnail Workgroup

1996 19.5538 *A preliminary draft feasibility study for research on endangered Kanab ambersnail use of native and non-native host plants in Grand Canyon, Arizona: A three phase project.* Flagstaff, Arizona: U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, Kanab Ambersnail Workgroup, [10] pp.

U.S. Department of Agriculture [7]

1960 19.6312 Plant material introduced January 1 to December 31, 1954 (Nos. 212043 to 222845). *U.S. Department of Agriculture, Plant Inventory No. 162* (Washington, D.C.), 440 pp.

► "American Indian corn and other miscellaneous varieties" (*Zea mays* L.); see No. 213741, "Seeds white and blue. Flour type. Wallapai Tribe." (p. 70) (ENTIRE NOTE) Hualapai Tribe.

[7] The citations for the Department of Agriculture's "Plant Inventory Books" relates to what is now the U.S. National Plant Germplasm System, information about which is a part of the Germplasm Resources Information Network (GRIN). For access to the inventory books go to https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/national-germplasm-resources-laboratory/docs/plant-inventory-books/ (last accessed 9 January 2022). Each plant inventory book properly may be credited to different compilers; however, a bibliographical decision is made here to group all of the citations from the inventory books under the governmental source. They are listed in this bibliography under (chronologically ordered), "U.S. Department of Agriculture, Bureau of Plant Industry", "U.S. Department of Agriculture", and "U.S. Bureau of Agriculture, Agricultural Research Service". Although there are some significant hiatuses in the time of publication for inventory lists covering earlier years, the apparent significant hiatuses expressed by the citations here are due to the lack of seeds or plants credited to sources that lie within the geographical bounds of this bibliography. Plant Inventory Books 1-217 (1898-2008) have been examined.

1964 19.6313 Plant material introduced January 1 to December 31, 1955 (Nos. 222846 to 230876). *U.S. Department of Agriculture, Plant Inventory No. 163* (Washington, D.C.), 355 pp.

► See No. 228414, *Agropyron smithii* Rydb., western wheatgrass, "No. RF-145. Logan Mount, Ariz." [Mount Logan] (p. 226). (ENTIRE NOTE)

1966 19.6314 Plant material introduced January 1 to December 31, 1956 (Nos. 230877 to 236142). *U.S. Department of Agriculture, Plant Inventory No. 164* (Washington, D.C.), 245 pp.

► See No. 232551, *Berberis haematocarpa* Wooton, barberry, "11 miles east of Jacob Lake, Route 89 [now U.S. Route 89A], Coconino County, Arizona." (p. 76); No. 232568, *Lotus wrightii* (Gray) Greene, trefoil, "Jacobs Lake [Jacob Lake], Route 89 [now U.S. Route 89A], east of Kaibab National Forest, Coconino County, Arizona." (p. 77).

1966 19.6315 Plant material introduced January 1 to December 31, 1957 (Nos. 236143 to 244732). *U.S. Department of Agriculture, Plant Inventory No. 165* (Washington, D.C.), 416 pp.

► See No. 241055, seed of *Enneapogon desvauxii* Beauv., "11 miles east of Jacob Lake, Kaibab, Coconino County, Arizona." (p. 219).

1968 19.6316 Plant material introduced January 1 to December 31, 1964 (Nos. 294439 to 303627). *U.S. Department of Agriculture, Plant Inventory No. 172* (Washington, D.C.), 369 pp.

► See: No. 299448, *Delphinium nelsonii* Greene, "7 miles west of Jacob Lake, Ariz." (p. 177)

No. 303177, *Amelanchier utahensis* Koehne, serviceberry, "Grand Canyon, Ariz. Elevation 7,100 feet." (p. 322)

No. 303179, *Amelanchier* sp., "East of Dead Indian Canyon Road to Grand Canyon, south rim, Ariz." (p. 322)

No. 303188, *Aristida* sp., "Along Route 89, 36 miles north of Flagstaff, Ariz." (p. 322)

No. 303189, *Aristida* sp., "Highway 89, 90 miles north of Flagstaff, Ariz." (p. 322)

No. 303197, *Bouteloua gracilis* (H.B.K.) Lag ex Steud., blue grama, "Along Route 89, 20 miles north of Flagstaff, Ariz." (p. 323)

No. 303204, *Bouteloua* sp., "Plateau above Colorado River east of Jacob's Lake, Ariz." [Jacob Lake] (p. 323)

No. 303205, *Bouteloua* sp., "Five miles north of Jacob's Lake, Ariz." (p. 323)

No. 303206, *Bouteloua* sp., "Seven miles north of Jacob's Lake, Ariz." (p. 323)

Nos. 303230-303232, *Chamaebatiaria millefolium* (Torr.) Maxim. (303230, "South rim headquarters, Grand Canyon National Park, Ariz."; 303231, "Rim of Grand Canyon, Ariz."; 303232, "Five miles east of Jacob's Lake, Ariz., near top of plateau"; all noted "in wild") (p. 325)

Nos. 303259, 303262, *Cowania mexicana* O. Don (303259, "Duck on Rock viewpoint, Grand Canyon Road, Ariz., facing east bank"; 303262, "three miles east of Jacob's Lake, Ariz.") (p. 326)

No. 303364, *Koeleria cristata* (L.) Pers., "Five miles east edge of plateau [*sic*], Jacob's Lake, Ariz." (p. 332)

Nos. 303373, 303374, *Lycium* sp., "Seventy-three miles north of Flagstaff, Ariz., along Route 89" (p. 332)

No. 303397, *Oryzopsis* sp., "thirty-six miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 334)

No. 303414, *Penstemon bridgesii* A. Gray, "South rim, Grand Canyon, Ariz." (p. 335)

No. 303425, *Penstemon linarioides* A. Gray, "Eight miles northwest of Jacob's Lake, Ariz., along Route 89 [now U.S. Route 89A]" (p. 336)

Nos. 303459, 303464, 303465, 303468, 303469, *Penstemon* sp. (303459, "Grand Canyon Road, near Grand View Lookout, Ariz." (p. 338); 303464, "Grand Canyon at south rim headquarters, Ariz." (p. 338); 303465, "Grand Canyon,

Ariz. Elevation 7,250 feet." (p. 338); 303468, "Four miles east of Jacob's Lake, along Route 89 [now U.S. route 89A]" (p. 338); 303469, "Seven miles north of Jacob's Lake, Ariz." (p. 339))

No. 303477, *Phaseolus* sp., "Twenty-four miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 339)

No. 303522, *Poa* sp., "Five miles east of Jacob's Lake, Ariz., above Colorado River on edge of plateau [*sic*]" (p. 342)

Nos. 303552, 303554, *Quercus* sp., "Route 89, 73 miles north of Flagstaff, Ariz." (p. 344)

No. 303568, *Ribes cereum* Dougl., "Ten miles north of Jacob's Lake, Ariz., Route 89 [now U.S. Route 89A] (p. 345)

No. 303607, *Sporobolus* sp., "Thirty-one miles north of Flagstaff, Ariz., along Route 89" (p. 347)

No. 303609, *Stipa* sp., "Twenty-three miles north of Flagstaff, Ariz." (presumably on Route 89?) (p. 347)

No. 303619, *Verbena* sp., "Route 89, 23 miles north of Flagstaff, Ariz." (p. 348).

1969 19.6317 Plant material introduced January 1 to December 31, 1966 (Nos. 310336 to 317903). *U.S. Department of Agriculture, Plant Inventory No. 174* (Washington, D.C.), 322 pp.

► See Nos. 317674-317679 (pp. 291-292), *Zea mays* L., corn, "Seed collected by Mr. Heddon, Bureau of Indian Affairs, Phoenix, Ariz., from the Havasupai Indians in the Grand Canyon."

1969 19.6318 Plant material introduced January 1 to December 31, 1967 (Nos. 317904-324307). *U.S. Department of Agriculture, Plant Inventory No. 175* (Washington, D.C.), 262 pp.

► See: Nos. 323668, 323669 (p. 213), *Cercocarpus ledifolius* Nutt. ex Torr. & Gray (323668, "Along U. S. 89, Kiabab [*sic*] Forest, Arizona" [now U.S. Route 89A, Kaibab National Forest]; 323669, "Eight miles east of Bitter Springs, Arizona, along U. S. 89" [U.S. Route 89, north of Cameron, Arizona])

Nos. 323680-323682 (p. 213), 323684, 323687 (p. 214), *Cowania mexicana* D. Don, cliff rose (323680, "5 miles south of Forest Service building, Fredonia, Ariz., on logging road"; 323681, "Kiabab [*sic*] Plateau, Ariz., along U. S. 89 [now U.S. Route 89A]); 323682, "Along logging road 17 miles south of Fredonia, Ariz., on road to Kiabab [*sic*]"; 323684, "Kiabab [*sic*] Plateau, Ariz."; 323687, "Grand Canyon National Park, Ariz.")

Nos. 323697, 323698 (p. 214), 323699 (p. 215), *Fallugia paradoxa* (D. Don) Endl. (323697, "North side Kiabab [*sic*] Plateau, Ariz."; 323698, "Five miles south of The Gap, Ariz." (presumably on U.S. Route 89); 323699, "Seventeen miles south of Fredonia on forestry road to Kiabab Forestry [*sic*], Ariz.")

No. 323836, *Penstemon* sp., "South of Fredonia, Ariz., along U. S. 89 [now U.S. Route 89A]" (p. 223)

No. 323858, *Philadelphus microphyllus* A. Gray, mock orange, "Bright Angel Trail, Grand Canyon National Park, Arizona. elevation 8,300 feet." (perhaps the Old Bright Angel Trail, North Rim, but more likely an error for North Kaibab Trail?) (p. 224)

No. 323875, *Ptelea trifoliata* L., hop-tree, "Along Forestry Road, 20 miles south of Fredonia, Ariz." (p. 225)

No. 323885, *Rhus trilobata* Nutt., "Forest road southwest of Big Springs on Kiabab [*sic*] Forest, Ariz." (p. 226)

No. 323900, *Sambucus coerulea* Raf., "Roadside between Fredonia, Ariz. and Kiabab [*sic*] Plateau" (p. 227)

No. 323928, *Yucca* sp., "Along U. S. 89 Alternate in Vermilion Cliffs, Ariz." (p. 228).

1969 19.6319 Plant material introduced January 1 to December 31, 1978 (Nos. 420807 to 431463). *U.S. Department of Agriculture, Plant Inventory No. 186* (Washington, D.C.), 418 pp.

► See No. 421078, *Sporobolus airoides* (Torr.) Torr., alkali sacaton, "Gray Mountain, Coconino County, Arizona" (p. 16).

U.S. Department of Agriculture, Agricultural Research Service

1982 19.6320 *Plant Inventory No. 187 : plant material introduced January 1 to December 31, 1979 (Nos. 431464 to 436990).* U.S. Department of Agriculture, Agricultural Research Service, 446 pp.

► See Nos. 432511-432514, *Helianthus annuus* L., common sunflower; all cultivated landrace seeds from "Havasupai Indian Res., Supai Village, Grand Canyon, Coconino Co., Arizona" (pp. 89-90).

1983 19.6321 *Plant Inventory No. 188, Part II : plant material introduced July 1 to December 31, 1980 (Nos. 443014 to 452071).* U.S. Department of Agriculture, Agricultural Research Service, 608 pp.

► See No. 451713, *Helianthus annuus* L., sunflower, cultivated landrace seed, from "Supai, Arizona. Havasupai striped achene type. Received as H. annuus var. macrocarpus." (p. 566).

1983 19.6322 *Plant Inventory No. 190 : plant material introduced January 1 to December 31, 1982 (Nos. 464864 to 475833).* U.S. Department of Agriculture, Agricultural Research Service, 778 pp.

► See: Nos. 468606, 468609, *Helianthus annuus* L., sunflower (p. 281) (468606, from "Interstate 15, 8km south of St. George, Utah"; 468609, "Hwy 89 [89A], just south of Kanab, Utah")

Nos. 468704, 468705, *Helianthus deserticola* Heiser (p. 292) (468704, from "Hwy 89, 12km northwest of Page, Arizona"; 468705, from "Hwy 89, 1.6km west and 4km south of Page, Arizona")

No. 468789, *Helianthus niveus* subsp. *canescens* (A. Gray) Heiser, from "Hwy 89, 22.4km south of Page, Arizona" (p. 301).

1992 19.6323 *Plant Inventory No. 200, Part III : plant materials introduced September 1 to December 31, 1991 (Nos. 555396-559358.* U.S. Department of Agriculture, Agricultural Research Service, 620 pp.

► See Nos. 558604 (p. 514), 558661 (p. 523), 559192 (p. 584), *Humulus lupulus* L., hops, all from "Big Springs, Kaibab National Forest".

NO DATE 19.6324 *Plant Inventory No. 209 : plant materials introduced in 2000 (Nos. 612387-615161).* U.S. Department of Agriculture, Agricultural Research Service, 378 pp. [2001?]

► See No. 612454, *Solanum jamesii* Torr., from "Grand Canyon National Park, S Rim. Across road from Buggeln picnic area down wooded slope to 'Buggeln Tank'. Near a spring on a raised berm." (p. 10).

2005 19.4924 *Plant Inventory No. 213 : plant materials introduced in 2004 (Nos. 634361-636444).* U.S. Department of Agriculture, Agricultural Research Service, 291 pp.

► See: No. 634363, *Solanum jamesii* Torr., from Highway "64 about 25 miles E of Grand Canyon S Rim visitor center just inside Kaibab National Forest boundary at pulloff where there is a steep roadcut to the NE and creek to the SW called Deer Tank Wash. Just over fence but on road side of creek." (p. 1)

No. 634364, *Solanum jamesii* Torr., from "Mohave County. Fredonia area. From 389 to CR 109, 47 miles to CR 5 and 7 miles to near Mt Trumbull, Nixon Springs

Ranger Station. At 150 degree heading from Ranger Station buildings, about 500 yards along service road." (p. 1).

2006 19.5888 *Plant Inventory No. 214 : plant materials introduced in 2005 (Nos. 636445-641917).* U.S. Department of Agriculture, Agricultural Research Service, 727 pp.

► See pp. 159-160, "PI 637954. *Fragaria virginiana* Mill.", from "Road 212 at junction with highway 67, Conoino [*sic*] county, Kaibab Plateau."

U.S. Department of Agriculture, Bureau of Plant Industry

1912 19.6311 Seeds and plants imported during the period from July 1 to September 30, 1911: Inventory No. 28; Nos. 31371 to 31398. *U.S. Department of Agriculture, Bureau of Plant Industry, Bulletin 248*, 71 pp.

► See No. 31679, *Juniperus utahensis* (Engelm.) Lemmon, juniper, "Received through Mr. George B. Sudworth, dendrologist, Forest Service, U.S. Dept. of Agriculture, August 19, 1911", "From the Grand Canyon of the Colorado River, Ariz., October, 1910" (p. 35).

U.S. Environmental Protection Agency

1990 19.4690 *Protecting endangered species : interim measures : Mohave County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [4] pp. (Pesticides and Toxic Substances (H-7506C.) (20T-3057.)

► Includes Siler pincushion cactus, *Pediocactus sileri*, on Arizona Strip north of Mount Trumbull.

1990 19.4691 *Protecting endangered species : interim measures : Coconino County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [4] pp. (Pesticides and Toxic Substances (H-7506C.) (20T-3014.)

► Brady pincushion cactus, *Pediocactus bradyi*; Navajo sedge, *Carex specuicola*; and Siler pincushion cactus, *Pediocactus sileri*.

1997 19.4689 *Protecting endangered species : interim measures : Mohave County, Arizona.* Washington, D.C.: U.S. Environmental Protection Agency, [8] pp. (Pesticides and Toxic Substances (7506C).) (EPA-735-K-97-045.)

► Includes Siler pincushion cactus, *Pediocactus sileri*, on Arizona Strip north of Mount Trumbull.

U.S. Fish and Wildlife Service

NO DATE 19.3355 *Facts about the sentry milk-vetch (*Astragalus cremnophylax *var.* cremnophylax*).* [No place]: U.S. Fish and Wildlife Service, 2 pp.

U.S. Fish and Wildlife Service, Arizona Ecological Service Field Office

NO DATE 19.3711 *Brady pincushion cactus (*Pediocactus bradyi*). 5-year review: Summary and evaluation.* Phoenix: U.S. Fish and Wildlife Service, Arizona Ecological Service Field Office, 37 pp.

U.S. Fish and Wildlife Service, Arizona Ecological Services Office

2006 19.2931 *Sentry milk-vetch (*Astragalus cremnophylax *Barneby var.* cremnophylax *Barneby) : recovery plan.* Phoenix: Arizona Ecological Services Office, U.S. Fish and Wildlife Service, *for* U.S. Fish and Wildlife Service, Southwest Region (Region 2), Albuquerque, New Mexico, 44 pp.

2012 19.5663 Endangered and Threatened wildlife and plants; 12-month finding for the Lemmon fleabane; Endangered status for the acuña cactus and the Fickelsen plains cactus and deisgnation of Critical Habitat. *Federal Register*, 77(192) (October 3): 60510-60579.

2013 19.4971 Endangered and Threatened wildlife and plants; Endangered Species status for *Echinomastus erectocentrus* var. *acunensis* (Acuña cactus) and *Pediocactus peeblesianaus* var. *fickeiseniae* (Fickeisen plains cactus) throughout their ranges. *Federal Register*, 78(190) (October 1): 60608-60652.

2016 19.5190 Endangered and Threatened wildlife and plants; designation of Critical Habitat for the Acuña cactus and the Fickeisen plains cactus; Final Rule. *Federal Register*, 81(160) (August 18): 55266-55313. [Fickeisen plains cactus, *Pediocactus peeblesianus* var. *fickeiseniae*, in Coconno and Mohave Counties, Arizona.]

2018 19.6298 *Siler pincushion cactus (*Pediocactus sileri*) : 5-year review: summary and evaluation.* Flagstaff, Arizona: U.S. Fish and Wildlife Service, Arizona Ecological Services Office, [9] pp.

U.S. Fish and Wildlife Service, Southwest Region, Arizona Ecological Services Field Office

2013 19.4038 Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Acuña cactus and the Fickeisen plains cactus. *Federal Register*, 78(130) (July 8): 40673-40686.

► Fickeisen plains cactus, *Pediocactus peeblesianus* var. *fickeiseniae*, at various locales in Grand Canyon region. Includes maps.

U.S. Forest Service

1964 19.3449 *Trees of the forest : their beauty and use.* U.S. Forest Service.

1967 19.4568 *Trees of the forest : their beauty and use.* U.S. Forest Service, slightly revised, 25 pp. (U.S. Forest Service, Program Aid 613.)

1970 19.3450 *Trees of the forest : their beauty and use.* U.S. Forest Service, slightly revised, 25 pp.

1973 19.3700 *Forest Service research accomplishments/1973.* U.S. Forest Service.

► See p. 15: "230. Silviculture control practices have reduced the level of dwarf mistletoe and protected the ponderosa pine recreation forest on the South Rim of Grand Canyon. Plots studied for 20 years document that periodic sanitation in an effective control for dwarf mistletoe in high-use recreation sites. Sanitation has forestalled mortality and associated vegetative changes along the South Rim, thereby sustaining scenic and esthetic values provided by ponderosa pine." Cross-referenced to Lightle and Hawksworth (1973, ITEM NO. 19.929).

1975 19.4569 *Trees of our national forests : their beautyand their use.* U.S. Forest Service, 25 pp. (U.S. Forest Service, Program Aid 1124. "Supersedes PA 613".)

1979 19.1717 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, 182 pp.

1980 19.1718 *Western spruce budworm management, Kaibab National Forest and Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, 35 pp.

1980 19.1719 *Pandora moth management plan, Kaibab National Forest, Arizona.* Albuquerque: U.S. Forest Service, 60 pp.

1980 19.4570 *Trees of our national forests.* U.S. Forest Service, 32 pp. (U.S. Forest Service, Program Aid 1124.)

U.S. Forest Service, AND U.S. National Park Service

1981 19.1720 *Western spruce budworm management, Kaibab National Forest, Grand Canyon National Park, Arizona.* Albuquerque, New Mexico: U.S. Forest Service, 127 pp.

U.S. Forest Service, Kaibab National Forest, North Kaibab Ranger District

2020 19.6523 *Burnt Corral Vegetation Management Project : Preliminary Environmental Assessment.* [No place]: U.S. Forest Service, Kaibab National Forest, North Kaibab Ranger District, 106 pp.

U.S. Forest Service, Kaibab National Forest, Williams and Tusayan Ranger Districts

2015 19.4657 *South Zone grassland restoration project : proposed action.* [Williams, Arizona]: U.S. Forest Service, Kaibab National Forest, Williams and Tusayan Ranger Districts, 19 pp.

U.S. Forest Service, Southwestern Region

1979 19.5729 *Draft : Environmental Statement : western spruce budworm management : Kaibab National Forest, Grand Canyon National Park.* Albuquerque, New Mexico: U.S. Forest Service, Southwestern Region, SEPARATELY PAGINATED SECTIONS [171 pp. total]. (03-07-79-1.)

1995 19.3732 *Terrestrial ecosystem survey of the Kaibab National Forest, Coconino County and part of Yavapai County, Arizona : addendum 5/2/95, North Kaibab RD.* U.S. Forest Srvice, Southwestern Region, 319 pp.

▶ North Kaibab Ranger District.

1995 19.5499 *Final Environmental Impact Statement for amendment of forest plans.* [No place]: U.S. Forest Service, Southwestern Region, 262 pp.

1999 19.4635 *Forest insect and disease conditions in the Southwestern Region, 1998.* U.S. Forest Service, Southwestern Region, 20 pp. (R3-99-01.)

▶ Regarding Grand Canyon National Park and Kaibab National Forest, see "Mountain Pine Beetle", pp. 4-5, and "Western Spruce Budworm", pp. 7-8.

2005 19.2525 *Final Environmental Impact Statement for integrated treatment of noxious or invasive weeds : Coconino, Kaibab, and Prescott National Forests within Coconino, Gila, Mojave, and Yavapai Counties, Arizona.* U.S. Forest Service, Southwestern Region, 592 pp.

2005 19.6160 *Environmental Assessment for Jacob Ryan vegetation management, Kaibab National Forest; North Kaibab Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 107 pp.

2006 19.3746 *Draft Environmental Impact Statement for Jacob Ryan vegetation management, North Kaibab Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 128 pp.

2007 19.6035 *Warm Fire assessment : post-fire conditions and management considerations : North Kaibab Ranger District, Kaibab National Forest.* U.S. Forest Service, Southwestern Region, 81 pp.

2008 19.2754 *Draft Environmental Impact Statement for the Warm Fire recovery project, Kaibab National Forest, Coconino County, Arizona.* Williams, Arizona: U.S. Forest Service, Southwestern Region, 302 pp.

2012 19.3847 *Kaibab National Forest : 2011-2012 accomplishment report : environmental collaboration.* [No place]: U.S. Forest Service, Southwestern Region, 16 pp. [including wraps].

2012 19.4261 Draft Environmental Impact Statement for the Kaibab National Forest Land and Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-15*, 433 pp.

2013 19.4180 *Draft Environmental Impact Statement for the Four-Forest Restoration Initiative : Coconino and Kaibab National Forests, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 716 pp. (MB-R3-04-19.)

► Project areas include a portion of the Kaibab National Forest, Tusayan Ranger District, adjacent to Grand Canyon National Park.

2013 19.4982 *Environmental Assessment for Tusayan Flood Reduction Project : Tusayan Ranger District, Kaibab National Forest, Coconino County, Arizona.* U.S. Forest Service, Southwestern Region, 73, 13 pp.

2014 19.4266 Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19*, pp. 1-325. [See also 2015 corrected version.]

2014 19.4267 Appendices for the Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19a*, pp. 327-690. [See also 2015 corrected version.]

2014 19.4696 Draft Record of Decision for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-23*, 44 pp.

2014 19.4697 Final Environmental Impact Statement for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona. Volume 1. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-23*, pp. 1-562.

2014 19.4698 Final Environmental Impact Statement for the Four-Forest Restoration Initiative, Coconino and Kaibab National Forests, Coconino County, Arizona. Volume 2. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-04-24*, pp. 563-1048.

2014 19.5354 *Field guide for managing rush skeletonweed in the Southwest.* [No place]: U.S. Forest Service, Southwestern Region, 9 pp. (TP-R3-16-22.)

► See p. 1: Widespread in Washington, Oregon, Idaho, Montana, and California. "An isolated, yet expanding population has been found in the Grand Canyon National Park in Arizona." (ENTIRE NOTE)

2015 19.4840 Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19*, pp. 1-325.

► Corrected version. Title-page indicates "February 2014". Notation, p. i: "Changes have been made to page 9 and 96 this document in response to the appeal resolution instructions provided by the Forest Service Chief's Reviewing Officer following administrative review of two appeals. These changes to the Final Environmental Impact Statement were made to make it clear that in addition to rulemaking procedures, other legal mechanisms could be used to limit the use of lead ammunition if deemed necessary or appropriate. The adjusted pages are marked as '(Corrected 05/2015)'."

2015 19.4841 Appendices for the Final Environmental Impact Statement for the Kaibab National Forest Resource Management Plan, Coconino, Yavapai, and Mojave [*sic*] Counties, Arizona. *U.S. Forest Service, Southwestern Region, Management Bulletin MB-R3-07-19a*, pp. 327-692.

► Corrected version. Title-page indicates "February 2014". Notation, p. iii: "Changes have been made to this document in response to the appeal resolution instructions provided by the Forest Service Chief's Reviewing Officer following administrative review of two appeals. These changes to the Final Environmental Impact Statement and Appendices were made to clarify the relationship between grazing capability and suitability (page 473, 474), better explain the role of allotment management plans and annual operating instructions in making adjustments to livestock grazing using the adaptive management framework (pages 358, 363, 396), and that in addition to rulemaking procedures other legal mechanisms, could be used to limit the use of lead ammunition if deemed necessary or appropriate(pages 379, 380, 381). The adjusted pages are clearly marked as '(Corrected 05/2015)'."

U.S. Forest Service, Southwestern Region, Forest Health

2015 19.5173 Forest insect and disease conditions in the Southwestern Region, 2014. *U.S. Forest Service, Southwestern Region, Forest Health PR-R3-16-13*, 43 pp.

► Includes Kaibab National Forest.

U.S. Forest Service, Southwestern Region, Forestry and Forest Health

2012 19.6302 Forest insect and disease conditions in the Southwestern Region, 2011. *U.S. Forest Service, Southwestern Region, Forestry and Forest Health, PR-R3-16-8*, 43 pp.

U.S. Geological Survey

NO DATE 19.4895 *Riparian vegetation studies—monitoring vegetation change.* [No place]: U.S. Geological Survey, [2] pp. [2014.] [Fact sheet.]

► Colorado River in Grand Canyon.

U.S. National Aeronautics and Space Administration, Langley Research Center

2017 19.6252 *Grand Canyon Regions of Drought Impact (GC-ReDI).* [Hampton, Virginia]: U.S. National Aeronautics and Space Administration, Langley Research Center, accessible through the NASA Technology Transfer Program at https://software.nasa.gov/software/LAR-19017-1 or https://github.com/NASA-DEVELOP/GC-ReDI. [Accessed 22 August 2019.]

► Description notes: "This Google Earth Engine software quantifies the decreasing water surface area in Lake Mead and the lower Grand Canyon and assesses the resulting changes in land cover—specifically, riparian vegetation and riparian sediment. The software provides images, statistics, and graphs to understand these changes."

U.S. National Museum

1909 19.3791 Report of the U.S. National Museum. *In: Annual report of the Board of Regents of the Smithsonian Institution, showing the operations, expenditures and condition of the institution for the year ending June 30, 1909.* Washington, D.C.: U.S. Government Printing Office, 141 pp.

► See in accessions by the museum, p. 69: "Berry, P. D., Grand Cañon, Ariz.: 3 specimens of cacti from the Grand Cañon, Arizona, through C. V. Piper, of the Department of Agriculture (50043)." (ENTIRE NOTE) Peter D. Berry.

U.S. National Park Service, Grand Canyon National Park

NO DATE 19.2307 *Vegetation management—Restoration.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2001 or 2002.]

NO DATE 19.2308 *Vegetation management—Exotic plant species.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2001 or 2002.]

NO DATE 19.3018 *Vegetation management—exotic plant species.* U.S. National Park Service, Grand Canyon National Park, 1 p. [2009?]

NO DATE 19.3463 *Plants living on the edge : along the Hermit Road Greenway Trail.* U.S. National Park Service, Grand Canyon National Park, folded sheet (14 pp.). [2011.]

NO DATE 19.6688 *Vegetation types and fire regimes.* U.S. National Park Service, Grand Canyon National Park, [4] pp. (Grand Canyon National Park, Fire Data Summary.) [2013.] [Fact sheet.]

2006 19.2963 *Invasive plant species observation.* U.S. National Park Service, Grand Canyon National Park, 8 pp.

► Invasive plant identification guide for reporting invasive plant observations from the park. Author probably Lori Makarick. Funded by Grand Canyon National Park foundation and by Arizona Water Protection Fund Commission.

2009 19.2987 *Exotic Plant Management Plan, Grand Canyon National Park, Arizona : Environmental Assessment/Assessment of Effect.* U.S. National Park Service, Grand Canyon National Park, 182 pp.

U.S. National Park Service, [Grand Canyon National Park]

NO DATE 19.6031 *Bright Angel Creek trout reduction program.* [No place]: U.S. National Park Service, 2 pp. [2017?] [Fact sheet.]

NO DATE 19.6032 *Humpback chub tributary translocations.* [No place]: U.S. National Park Service, 2 pp. [2017?] [Misdated "01/2012".] [Fact sheet.]

NO DATE 19.6033 *Razorback sucker studies in Grand Canyon.* [No place]: U.S. National Park Service, 2 pp. [2017?] [Misdated "01/2012".] [Fact sheet.]

U.S. National Park Service, Grand Canyon National Park, Science Center

2000 19.2129 *Grand Canyon National Park hazard tree plan : October 2000 update.* Grand Canyon, Arizona: Science Center, Grand Canyon National Park, 38 pp.

Usher, Howell Davis

1988 19.6420 Cladophora glomerata *in the Colorado River through Glen and Grand Canyons: Distribution and exposure tolerance.* Master's thesis, Northern Arizona University, 62 pp.

Usher, Howell D., AND Blinn, Dean W.

1990 19.1731 Influence of various exposure periods on the biomass and chlorophyll *A* of *Cladophora glomerata. Journal of Phycology*, 26: 244-249.

Usher, Howell D.; Blinn, Dean W.; Hardwick, Gloria G.; AND Leibfried, William C.

1987 19.2385 Cladophora glomerata *and its diatom epiphytes in the Colorado River through Glen and Grand Canyons: Distribution and desiccation tolerance : final report : Glen Canyon Environmental Studies.* Flagstaff, Arizona: Northern Arizona University, Department of Biological Sciences, *for* Arizona Game and Fish Department, Phoenix, 79 pp. (Contract No. 6400042.)

1988 19.5508 *Cladophora glomerata* and its diatom epiphytes in the Colorado River through Glen and Grand Canyons: Distribution and desiccation tolerance. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 187-203.

Usher, Howell D.; Leibfried, William C.; Hardwick, Gloria G.; AND Blinn, Dean W.

1986 19.6475 Effects of regulated flows on *Cladophora glomerata* (Chlorphyta) and the epiphytic *Diatoma vulgare* (Bacillariophyta): potential rainbow trout food [ABSTRACT]. *Arizona-Nevada Academy of Science, Journal*, 21(1986 Proceedings Supplement) (April): 18.

► Colorado River downstream from Glen Canyon Dam.

Utah. State Bureau of Immigration, Labor and Statistics

1913 19.3451 Utah's timber resources. *In: State of Utah, First report of the State Bureau of Immigration, Labor and Statistics, for the years 1911-1912 (ninth report of State Bureau of Statistics).* Salt Lake City: The Arrow Press, Tribune-Reporter Printing Co., pp. 58-61.

► Includes Kaibab Plateau, Arizona.

V

Vail, Anna Murray

1894 19.3591 A study of the genus *Psoralea* in America. *Torrey Botanical Club, Bulletin*, 21(3) (March 24): 91-119. [See p. 108; Peach Springs and Kaibab Plateau.]

Van Devender, Thomas R.

1981 19.3973 Endemic plants of Arizona. *The Plant Press* (Arizona Native Plant Society), 5(2) (Summer): 19-24.

Van Devender, Thomas R., AND Mead, Jim I.

1976 19.5155 Late Pleistocene and modern plant communities of Shinumo Creek and Peach Springs Wash, lower Grand Canyon, Arizona. *Arizona Academy of Science, Journal*, 11(1): 16-22.

Van Etten, Megan L., AND Brunet, Johanne

2013 19.4150 The impact of global warming on floral traits that affect the selfing rate in a high-altitude plant. *International Journal of Plant Science*, 174(8): 1099-1108.

► *Aquilegia coerulea*. Populations studied include North Rim of Grand Canyon (specific locality not indicated).

Vandiver, Vincent W.

1937 19.4579 Pipe Spring National Monument. *In:* The Supplement [SECTION]. *Southwestern Monuments Monthly Report* (U.S. National Park Service), (February): 111-122.

► History, geography, geology (stratigraphy), botany (including species list), and animals (common-name lists for birds, "animals" [mammals], and reptiles), Native Americans.

Vankat, John L.

2011 19.3460 Post-1935 changes in forest vegetation of Grand Canyon National Park, Arizona, USA: Part 1—Ponderosa pine forest. *Forest Ecology and Management*, 261(3): 309-325.

2011 19.3461 Post-1935 changes in forest vegetation of Grand Canyon National Park, Arizona, USA: Part 2—Mixed conifer, spruce-fir, and quaking aspen forests. *Forest Ecology and Management*, 261(3): 326-341.

2013 19.5352 *Vegetation dynamics on the mountains and plateaus of the American Southwest.* Dordrecht: Springer, 461 pp. (Plant and Vegetation, 8.)

2017 19.5414 Post-1935 changes in pinyon-juniper persistent woodland on the South Rim of Grand Canyon National Park, Arizona, USA. *Forest Ecology and Management*, 394 (June 15): 73-85.

Vankat, John L., AND Thomas, Lisa

2005 19.2606 Disturbance-focused conceptual models of montane terrestrial ecosystems on the Colorado Plateau. II. Mixed conifer, spruce-fir, grassland, and shrubland ecosystems [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 85.

► For Part 1, see Vankat, Thomas, and Miller (2005, ITEM NO. 19.2605).

Vankat, John L.; Crocker-Bedford, D. Coleman; Bertolette, Don R.; Leatherbury, Paul; McKinnon, Taylor; AND Sipe, Carmen L.

2005 19.4769 Indications of large changes in mixed conifer forests of Grand Canyon National Park. *In:* Riper, Charles van, III, and Mattson, David J. (eds.), *Colorado Plateau II : biophysical, socioeconomic, and cultural research.* Tucson: University of Arizona Press. (7th Biennial Conference of Research on the Colorado Plateau, 2003, Northern Arizona University.)

2015 19.4770 Indications of large changes in mixed conifer forests of Grand Canyon National Park [ABSTRACT]. *In:* Riper, Charles van, III, Drost, Charles A., and Selleck, S. Shane (compilers), A quarter century of research on the Colorado Plateau—A compilation of the Colorado Plateau Biennial Conference Proceedings for 1993-2015. *U.S. Geological Survey, Open-File Report 2015-1115*, p. 92.

Vankat, John L.; Thomas, Lisa; AND Miller, Mark

2005 19.2605 Disturbance-focused conceptual models of montane terrestrial ecosystems on the Colorado Plateau. I. Model development and pinyon-juniper and ponderosa pine ecosystems [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 85.

► For Part 2 see Vankat and Thomas (2005, ITEM NO. 19.2606).

2005 19.2607 Disturbance-focused conceptual models of montane terrestrial ecosystems on the Colorado Plateau [ABSTRACT]. *In: Eighth Biennial Conference of Research on the Colorado Plateau, du Bois Center, Northern Arizona University, 7-10 November 2005 : program and abstracts of presented papers and posters (version 2.0)*, p. 86.

Varas Santisteban, Esteban

1989 19.3826 *Landscape planning along a scenic corridor for highways 180 and 64/180 in northern Arizona.* Master's thesis, University of Arizona, 209 pp., maps.

Vega, Andrea S.

2000 19.6385 Revisión taxonómica de las especies americanas del género *Bothriochloa* (Poaceae: Panicoideae: Andropogoneae). *Darwiniana* (Instituto de Botánica Darwinion, Buenos Aires, Argentina), 38(1/2): 127-186. [In Spanish.]

► See *Bothriochloa springfieldii* (Gould) Parodi (pp. 177-179); material examined includes "Arizona. Havasu Canyon, near Supiú Village, 3200 ft., 17/25-X-1940, *Whiting 1047/4509* (MO)." (ENTIRE NOTE)] [Supai.]

Veno, Barbara Ann

1979 19.6666 *A revision of the genus* Pectocarya *(Boraginaceae) including reduction to synonymy of the genus* Harpagonella *(Boraginaceae).* Doctoral dissertation, University of California at Los Angeles, 201 pp.

Veres, Gábor

2010 19.6571 Észak-Amerika télálló kaktuszai IX. Sclerocactus nemzetsé Britton é Rose 1. rész. *Debreceni Pozsgástár* (Receptaculum Succulentarum Debrecemiense, Hungaria) (Magyar Kaktusz és Pozsgás Társaság Közhasznú Egyesület), 13(4): 28-35. [In Hungarian.]

► See: "*S. parviflorus* Clover és Jotter ssp. *parviflorus*" (pp. 31-33), with illustrations of live flowering plants from "Pipe Springs, Mohave Co., AZ", "Mohave Co., AZ", and "Marble Canyon, Coconino Co., AZ"

"*S. parviflorus* Clover és Jotter ssp. *havasupaiensis* (Clover) Hochstätter" (p. 35) (not illustrated).

Verkouw, Henk

2000 19.3780 Havasupai—a cactus paradise; Henk Verkouw reports on an eventful trip to Havasupai Indian Reservation in search of *Sclerocactus havasupaiensis*, and on the interesting selection of plants growing there. *British Cactus and Succulent Journal* (British Cactus and Succulent Society), 18(1) (March): 7-11.

Vernieu, William S.

2015 19.4832 Biological data for water in Lake Powell and from Glen Canyon Dam releases, Utah and Arizona, 1990-2009. *U.S. Geological Survey, Data Series 959*, 12 pp.

► Principally Lake Powell, but includes two data stations below Glen Canyon Dam: "Glen Canyon Dam draft tubes" and "Colorado River at Lees Ferry". Summary of investigations of chlorophyll, phytoplankton, and zooplankton. With database description.

Vickerman, Kathrine D.

1995 19.6203 *Papermaking: Then and now : a history of hand papermaking from its beginning, plus a process for using natural fibers to make paper.* (Photographs by Lyssa O'Riley.) [No imprint], 87 pp. [Accessible online from Institute of Education Sciences, https://files.eric.ed.gov/fulltext/ED440909.pdf.]

► Samples of "1-2 pounds of raw fiber (grass)" processed as described on pp. 31-70. This was a Professional Leave study funded by Idaho State University, on "the effects of rainfall and altitude on the grasses used in making paper" (p. ii). Data sheets for papermaking plant materials include: "Cheat, near North Rim Grand Canyon, Arizona" (p. 38), "Prairie Wedge, Marble Canyon, Arizona" (p. 42), "Not really a grass—small shrub, Marble Canyon, Arizona" (p. 46).

Vickery, Robert K., Jr.

1992 19.1811 Pollinator preferences for yellow, orange, and red flowers of *Mimulus verbenaceus* and *M. cardinalis*. *Great Basin Naturalist*, 52(2) (June): 145-148.

2008 19.2721 How does *Mimulus verbenaceus* (Phrymaceae) set seed in the absence of pollinators? *Evolutionary Biology*, 35(3): 199-207.

► Plants used from study grown from transplants and seeds of wild population at Vasey's Paradise, Marble Canyon, Grand Canyon National Park.

Vickery, Robert K., Jr., AND Sutherland, Steven D.

1994 19.5054 Variance and replenishment of nectar in wild and greenhouse populations of *Mimulus*. *Great Basin Naturalist*, 54(3): 212-227.

► Among voucher specimens in the Garret Herbarium (UT), University of Utah, are *Mimulus verbenaceus* from Bright Angel Creek near Phantom Ranch, Grand Canyon, collected November 1954; and from Vasey's Paradise, Grand Canyon, collected 20 April 1986.

Vogelmann, H. W.

1960 19.4340 Chromosome numbers in some American farinose primulas with comments on their taxonomy. *Rhodora* (New England Botanical Club, Journal), 62 (February): 31-42.

► See p. 36, remarks on *Primula hunnewellii* Fern. from Grand Canyon (refer to Fernald, 1934, ITEM NO. 19.4336, type from North Rim).

Von Holle, Betsy; Delcourt, Hazel R.; AND Daniel, Simberloff

2003 19.4312 The importance of biological inertia in plant community resistance to invasion. *Journal of Vegetation Science*, 14: 425-432.

► Includes Grand Canyon notes.

W

Wagner, Warren Lambert

1981 19.1815 *A systematic and evolutionary study of the* Oenothera caespitosa *species group.* Doctoral dissertation, Washington University, 317 pp.

Walcott, Mary Vaux

1925 19.3020 *North American wildflowers.* Washington, D.C.: Smithsonian Institution, 5 volumes.

► Comprises five boxed sets of free leaves of lithographs reproducing Walcott's watercolor paintings. A descriptive text is printed on the preceding leaf for each. Each volume has a string-tied title-page and front matter, and Vol. 5 adds a string-tied index. Includes illustrations of specimens from Grand Canyon.

Wallace, David

1984 19.4497 Salt Lake Valley March chapter meeting; presentation by Alyce Hreha; Mistletoe of Utah. *The Sego Lily* (Utah Native Plant Society), 7(3) (April): [12].

► Notes that the speaker had "found widespread mistletoe infestation in pinyon and juniper in her field research at the Grand Canyon."

Waltz, Amy [Waltz, Amy E. M.]

1999 19.6014 (COMPILER) *Mt. Trumbull ecosystem restoration project : annual report for the year October 1, 1998 to September 30, 1999.* (W. Wallace Covington, Principal Investigator.) [Flagstaff, Arizona]: Northern Arizona University, College of Ecosystem Science and management, School of Forestry, Ecological Restoration Program, *for* U.S. Bureau of Land management, Arizona Strip District, 17 pp.

Waltz, Amy E. M., AND Fulé, Peter Z.

1998 19.4484 *Changes in ponderosa pine forests of the Mt. Logan Wilderness.* (W. Wallace Covington, principal investigator.) Flagstaff, Arizona: Northern Arizona University, College of Ecosystem Science and Management, School of Forestry, Ecological Restoration Program, *for* U.S. Bureau of Land Management, Arizona Strip District, 46 pp.

Waltz, Amy; Fulé, Peter; AND Verkamp, Greg

2000 19.6008 (COMPILERS) *Restoration of ecosystem health in southwestern forests : comprehensive report, October 1, 1995 to September 30, 2000.* (Submitted by W. Wallace Covington.) Flagstaff, Arizona: Northern Arizona University, Ecological Restoration Institute, *for* U.S. Bureau of Land Management, Arizona Strip District, 68 pp.

► Includes Mount Trumbull and Mount Logan.

Wan, H. Y.; Sisk, T. D.; AND Sanford, R. L., Jr.

2015 19.4879 Overgrazing by bison destabilizes soil and diminishes plant growth in Grand Canyon National Park [ABSTRACT]. *In: 13th Biennial Conference of Science and Management on the Colorado Plateau and Southwest Region, October 5-8, 2015, Northern Arizona University, High Country Conference Center : oral and poster abstracts*, p. 89.

Wang, Xianpu [王献溥]

1990 19.6590 美国大峡谷国家公园的 自然特点及其管理模式 [měiguó dà xiágǔ guójiā gōngyuán de zìrán tèdiǎn jí qí guǎnlǐ móshì] [The natural features and management model of the Grand Canyon National Park in the United States]. 广西植物/*Guihaia* (中国科学院植物研究所 [zhōngguó kēxuéyuàn zhíwù yánjiū suǒ] [Chinese Academy of Science, Institute of Botany]), 10(1): 81-86. [In Chinese.]

► Botanical perspective.

Waring, Gwendolyn Lee

1987 19.1821 *Plant stress and the ecology of gall-forming insects.* Doctoral dissertation, Northern Arizona University, 86 pp.

1995 19.1824 *Current and historical riparian vegetation trends in Grand Canyon, using multitemporal remote sensing analyses of GIS sites : draft final report.* Flagstaff, Arizona: Northern Arizona University, School of Forestry, *for* Glen Canyon Environmental Studies, Northern Arizona University, National Park Service, 21, 19 pp. (Cooperative Agreement CA 8000-8-0002.)

1996 19.5539 *Current and historical riparian vegegation trends in Grand Canyon, using multitemporal remote sensing analyses of GIS sites : final report.* Flagstaff, Arizona: Northern Arizona University, School of Forestry, *for* Glen Canyon Environmental Studies, Northern Arizona University, National Park Service, 44 pp. (Cooperative Agreement CA 8000-8-0002.)

Waring, Gwendolyn L., AND Price, P. W.

1990 19.1825 Plant water stress and gall formation (Cecidomyiidae: *Asphondylia* spp.) on creosote bush. *Ecological Entomology*, 15(1): 87-95.

Waring, Gwendolyn L., AND Stevens, Lawrence E.

1986 19.1823 *The effects of recent flooding on riparian plant establishment in Grand Canyon.* Flagstaff, Arizona: Glen Canyon Environmental Studies, *for* U.S. National Park Service, Grand Canyon National Park, 79 pp. (Terrestrial Biology of the Glen Canyon Environmental Studies.)

1988 19.5513 The effects of recent flooding on riparian plant establishment in Grand Canyon. *In:* U.S. Bureau of Reclamation, Glen Canyon Environmental Studies, *Glen Canyon Environmental Studies : executive summaries of technical reports : November 1988.* [No place]: Glen Canyon Environmental Studies, pp. 257-270.

Warren, Katherine D.

1993 19.6726 *Sentry milk-vetch (*Astragalus cremnophylax *var.* cremnophylax*) monitoring handbook.* U.S. National Park Service, Grand Canyon National Park, Division of Resources Management.

► Superseded by Brian (1997).

Warren, Peter L.; Reichhardt, Karen L.; Mouat, David A.; Brown, Bryan T.; AND Johnson, R. Roy

1982 19.1828 Vegetation of Grand Canyon National Park. *U.S. National Park Service/University of Arizona, Cooperative National Park Resources Studies Unit, Technical Report 9*, 140 pp. (Contract Nos. CX-8210-7-0028, CX-8000-9-0033.) (U.S. National Park Service/University of Arizona, Contribution No. 017/06.)

Waskiewicz, Justin D.

2003 19.6260 *Snags and partial snags in managed, relict, and restored ponderosa pine forests of the Southwest.* Master's thesis, Northern Arizona University, 105 pp.

► Study area between Mt. Trumbull and Mount Logan, within Grand Canyon-Parashant National Monument.

Wason, Elizabeth

2014 19.4421 Down the great river; the diary of a cactus hunter. *LSA Magazine* (University of Michigan, College of Literature, Science and Arts), (Spring): 11-17.

► Elzada Clover, Colorado River trip through Grand Canyon. *NOTE*: Article includes full-page illustration of the type of *Sclerocactus havasupaiensis* var. *roseus* Clover (p. 13).

Watahomigie, Lucille J.; Powskey, Malinda; AND Bender, Jorigine

1982 19.2835 (WITH Elnora Mapatis, Caryl McHarney, Phyllis Hogan Boone, and Francis Hunt) *Hualapai ethnobotany.* Peach Springs, Arizona: Hualapai Bilingual Program, Peach Springs School District No. 8, 61 pp. [In Hualapai, by Elnora Mapatis; photographs by Caryl McHarney and Lucille J. Watahomigie; scientific identifications and comparative studies by Phyllis Hogan Boone and Francis Hunt.]

Waterfall, U. T.

1959 19.6426 A revision of *Eucnide*. *Rhodora* (New England Botanical Club, Journal), 61(729) (September): 231-243.

► See *Eucnide urens* (Parry ex A. Gray) (pp. 236-237). "Selected collections" include "Arizona: Grand Canyon: *cummings* June 22, 1942, growing in Red Wall limestone near Mooney Falls, Havasu Canyon (US)".

Watson, Benjamin

1996 19.3289 *Taylor's guide to heirloom vegetables : a complete guide to the best historic and ethnic varieties.* New York: Houghton Mifflin Co., 343 pp.

► See p. 275, "Havasupai Striped" (sunflower).

Watson, Sereno

1873 19.1831 New plants of northern Arizona and the region adjacent. *American Naturalist*, 7(5) (May): 299-303.

► Also published as offprint, with header, "Contributions to American Botany. I.", "Printed at the Salem Press. May, 1873.", 7 pp.

1874 19.1832 Botanical report. *From:* Botany. List of plants collected in Nevada, Arizona, and Utah, upon Lieut. G. M. Wheeler's survey in 1871 and 1872. *In: U.S. Geographical and Geological Explorations and Surveys West of the One Hundredth Meridian. Catalogue of plants collected in 1871, 1872, and 1873, with descriptions of new species*, pp. 6-19.

1888 19.3590 Contributions to American botany. *American Academy of Arts and Sciences, Proceedings*, 23(2): 249-287.

► See *Lesquerella arizonica*, p. 254; including Peach Springs, Arizona.

Watson, Thomas J., Jr.

1977 19.6387 The taxonomy of *Xylorhiza* (Asteraceae—Astereae). *Brittonia*, 29(2) (April/June): 199-216. ("A portion of a dissertation submitted in partial fulfillment of the

requirements for the degree of Doctor of Philosophy in the Department of Botany, University of Texas at Austin, August, 1972.").

► See *Xylorhiza tortifolia* var. *imberbis* (Cronquist) T. J. Watson, new combination (pp. 211-212). Representative specimens include "Coconino Co.: Kaibab Trail, Grand Canyon, 4 May 1940, *Collom K75* (RM); Hermit Trail, Grand Canyon, 9 Apr 1917, *Eastwood 5954* (UC); Mooney Falls, Havasu Canyon, 26 Mar 1941, *Peebles 15019* (ARIZ). Mohave Co.: Grand Canyon Natl Monument: Covingtons Mine Trail below Red Cliffs, 1 May 1958, *Cottam 14836* (UT); S of Toroweap Point, near Devil's Bathtub and Burro Canyon, 1 May 1952, *McClintock 52-332* (ARIZ, NY, UC); N of Saddle Horse Spring, 1 May 1958, *Cottam 14810* (ARIZ, UC, UT)."]

Watters, Kate [Watters, Katie] [Watters, Katharine]

2006 19.2638 Grand Canyon's first annual herbarium festival. *Nature Notes* (Grand Canyon National Park), 21(2) (Winter): 7.

2008 19.5159 Grand Canyon Trust volunteers: Partners in protecting biodiversity. *The Plant Press* (Arizona Native Plant Society), 32(2) (November): 18-19, 21.

► Includes Vermilion Cliffs area.

2010 19.3215 Looking lower; exploring the secret lives of plants. *In:* Full Frontal [SECTION]. *Flagstaff Live!*, 16(19) (May 13-19): 4.

2010 19.3547 Passion and loss; living where worlds collide. *In:* Full Frontal [SECTION]. *Flagstaff Live!*, 16(44) (November 4-10): 4.

► Eric York mountain lion research.

2012 19.3512 The Kane and Two Mile Ranches. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 9-10.

► Kane Ranch, Two Mile Ranch.

2014 19.4534 In pursuit of plants. *In:* Kempa, Rick (ed.), *On foot : Grand Canyon backpacking stories.* Flagstaff, Arizona: Vishnu Temple Press, pp. 167-178.

Watters, Kate, AND Hodgson, Wendy

2012 19.5021 The Plant Atlas Project of Arizona: A partnership for plants. *The Plant Press* (Arizona Native Plant Society), 36(1) (Fall): 1-3.

Watters, Kate, AND Makarick, Lori

2008 19.5724 *Grand Canyon National Park and Grand Canyon National Park Foundation : Final 2007 management and monitoring report : management and control of tamarisk and other invasive vegetation at backcountry seeps, springs and tributaries in Grand Canyon National Park (Phase II-A, firstyear of Phase II of comprehensive project).* Flagstaff, Arizona: [U.S. National Park Service], Grand Canyon National Park, Backcountry Vegetation Program, 106 pp. (Arizona Water Protect Fund Contract No. 05-131WPF.) ("FINAL Revision Submitted to Grand Canyon National Park Foundation and AWPF on: February 22, 2008".)

Webb, Robert H.; Belnap, Jayne; Scott, Michael L.; AND Esque, Todd C.

2011 19.3647 Long-term change in perennial vegetation along the Colorado River in Grand Canyon National Park (1889-2010). *Park Science* (U.S. National Park Service), 28(2) (Summer): 83-87.

Webb, Robert H.; Leake, Stanley A.; AND Turner, Raymond M.

2007 19.3566 *The ribbon of green : change in riparian vegetation in the southwestern United States.* (Principal photography by Dominic Oldershaw.) Tucson: University of Arizona Press, 462 pp.

Webb, Robert H.; Melis, Theodore S.; AND Valdez, Richard A.

2002 19.2270 Observations of environmental change in Grand Canyon, Arizona. *U.S. Geological Survey, Water-Resources Investigations Report 02-4080*, 33 pp.

Weber, Rob

1993 19.1836 GCES/NPS fluvial marsh and riparian vegetation mapping. *Scientific Information Management* (Glen Canyon Environmental Studies), 1(2): 5.

Weber, William A.

1971 19.3419 Das Pflanzenkleid. *In:* Heiniger, Ernst A., *Grand Canyon : Natur und Tierwelt in 157 Farbaufnahmen.* Bern, Switzerland: Kümmerly and Frey Geographischer Verlag; and München, Bern, and Wien: BLV Verlagsgesellschaft, pp. 101-122. [In German.]

1973 19.3417 Flore. *In:* Heiniger, Ernst A., *Grand Canyon du Colorado : suite pour nature et faune en 157 images.* (Pierre Champendal, translator.) Paris: Elsevier Séquoia, pp. 101-162. [In French; translated from German.]

1975 19.1837 Botany. *In:* Heiniger, Ernst A., *Grand Canyon.* (Ewald Osers, translator.) Washington, D.C., and New York: Robert B. Luce Co., Inc., pp. 97-160. [In English; translated from German.]

Welsh, Stanley L.

1998 19.1841 *Astragalus* (Leguminosae): nomenclatural proposals and new taxa. *Great Basin Naturalist*, 58(1): 45-53.

► See *Astragalus subcinereus* A. Gray (p. 49) and *A. s. subcinereus* (p. 49).

Welsh, Stanley L., AND Atwood, N. Duane

2001 19.4348 New taxa and nomenclatural proposals in miscellaneous families—Utah and Arizona. *Rhodora* (New England Botanical Club, Journal), 103: 71-95.

► See: *Astragalus lentiginosus* Douglas *ex Hook.* var. *palans* (M. E. Jones) M. E. Jones (pp. 78-79)

A. l. var. *mokiacensis* (A. Gray) M. E. Jones (pp. 79-81)

A. l. var. *trumbullensis*, new variety, type from "Mohave Strip, Andrus Canyon, 3 mi. W of Andrus Pt." (pp. 81-83).

Welsh, Stanley L., AND Licher, Max

2010 19.5127 *Pediomelum* Rydberg (Leguminosae) in Arizona and two previously undescribed species. *Western North American Naturalist*, 70(1): 9-18.

► Various notes of taxa from Grand Canyon region. Includes *Pediomelum pauperitense* S.L. Welsh, M. Licher, & N. D. Atwood, new species; type and paratypes from vicinity of Poverty Mountain, Mohave County [Grand Canyon-Parashant National Monument]. *NOTE*: The abstract erroneously indicates *P. pauperitense* is from Coconino County, Arizona.

Welsh, Stanley L., AND Ratcliffe, Bill

1971 19.1842 *Flowers of the canyon country.* Provo, Utah: Brigham Young University Press.

1977 19.1843 *Flowers of the canyon country.* Provo, Utah: Brigham Young University Press, 2nd ed., revised, enlarged.

1986 19.1844 *Flowers of the canyon country.* Moab, Utah: Canyonlands Natural History Association, 3rd ed., 85 pp.

Welsh, Stanley L., AND Thorne, K. H.

1977 19.1845 Plants of Arizona: a new species of *Astragalus* from the Kaibab Plateau. *Great Basin Naturalist*, 37(1): 103-104.

► *Astragalus pinionis*.

Weng, Chengyu

1998 19.6927 *Species differentiation of* Picea *in the Quaternary fossil record: Analysis and applications in the Pleistocene biogeography of the lower Mississippi Valley and the Holocene vegetation history of the southern Colorado Plateau.* Doctoral dissertation, University of Wyoming, 224 pp.

► Includes Kaibab Plateau.

Weng, Chengyu, AND Jackson, Stephen T.

1997 19.6925 Late-glacial and Holocene vegetation history and paleoclimate of the Kaibab Plateau, northern Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 205.

► "Pollen and plant macrofossil analysis from an AMS dated sediment core from Bear Lake (2768 m)". Also, without specifics, relies on "Records from Fracas Lake (2512 m)". Study includes late Holocene.

1999 19.6926 Late glacial and Holocene vegetation history and paleoclimate of the Kaibab Plateau, Arizona. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 153(1/4): 179-201.

West, Neil E.

1988 19.1847 Intermountain deserts, shrub steppes, and woodlands. *In:* Barbour, Michael G., and Billings, William Dwight (eds.), *North American terrestrial vegetation.* Cambridge, England: Cambridge University Press, pp. 209-230.

Westbrooks, Randy G.

1998 19.2220 *Invasive plants : changing the landscape of America : fact book.* Washington, D.C.: Federal Interagency Committee for the Management of Noxious and Exotic Weeds, 107 pp.

Westover, Neil K.; McKay, Scott; Brookes, Nancy; AND Stevens, Lawrence E.

1991 19.1848 1991 Grand Canyon marsh survey. *In: Colorado River Investigations #10 : July/August, 1991* (supervised by Stanley S. Beus, Lawrence E. Stevens, and Frank B. Lojko). Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 66-72.

White, Mark A.

1989 19.1857 *Coniferous forest communities of Thompson Canyon watershed, North Rim region, Grand Canyon National Park, Arizona.* Master's thesis, Miami University, Oxford, Ohio, 62 pp.

White, Mark A., AND Vankat, John L.

1988 19.2397 Coniferous forest vegetation of the North Rim region of Grand Canyon National Park. *In:* Vankat, John L. (ed.), Vegetation of the southwestern United States. *International Association of Vegetation Science, North American Section, Special Publication 1*, pp. 83-98.

1993 19.1858 Middle and high elevation coniferous forest communities of the North Rim region of Grand Canyon National Park, Arizona, USA. *Vegetatio* (The Hague), 109(2) (November): 161-174.

Whitman, Pat

2010 19.6744 Vegetation seen in American national parks. *Newsletter* (Friends of the Christchurch Botanic Gardens, Christchurch, New Zealand), (83) (Summer 2010/2011): 8-10.

▶ Casual remarks of a tour "a few years ago"; includes notes on Grand Canyon.

Whitney, Stephen R., AND Hart, Elizabeth Briars

NO DATE 19.2670 *Grand Canyon National Park flowers, trees and cacti.* Seattle, Washington: Mountaineers Books, [laminated gatefold informational card with booklike design including spine title]. (Mac's Pocket Guide series.) [2006.]

Wickland, Stacey Elizabeth

1997 19.2882 *Ponderosa pine core sampling and age investigation on the Walhalla Plateau.* U.S. National Park Service, Grand Canyon National Park, 9 pp.

Wilke, Cheryl

1986 19.1862 Abundance and distribution of native and domestic plants on the Colorado River from Lees Ferry to Diamond Creek. *In:* House, Dorothy A. (ed.), *Colorado River Investigations IV : July/August, 1985* (supervised by Stanley S. Beus and Steven W. Carothers). Flagstaff, Arizona: Northern Arizona University, *for* U.S. National Park Service, Grand Canyon National Park, pp. 178-197.

Williams, David G., AND Ehleringer, James R.

2000 19.4925 Intra- and interspecific variation for summer precipitation use in pinyon-juniper woodlands. *Ecological Monographs*, 70(4): 517-537.

► Includes Grand Canyon National Park.

Williams, Louis G., AND Scott, Carol

1962 19.2132 Principal diatoms of major waterways of the United States. *Limnology and Oceanography*, 7(3) (July): 365-379.

Williams, Mark A., AND Baker, William L.

2013 19.3742 Variability of historical forest structure and fire across ponderosa pine landscapes of the Coconino Plateau and south rim of Grand Canyon National Park, Arizona, USA. *Landscape Ecology*, 28(2): 297-310.

Williams, Tyler, AND Hatcher, Bill

2017 19.5271 Growing, growing, gone. Four or five years ago, a tree died in the Inner Gorge of the Grand Canyon. That's not unusual—trees die all the time—but this tree, a 150-year-old ponderosa pine, should never have been living there in the first place. It was a freak of nature. *Arizona Highways*, 93(1) (January): 44-47.

► A lone ponderosa pine in the Inner Gorge above Horn Creek Rapids, base of Tapeats Sandstone. [See also Burak (1994, ITEM NO. 19.390).]

Wills, David M.

2008 19.3782 *The genetics of sunflower domestication.* Doctoral dissertation, University of Georgia, 121 pp.

► Includes Havasupai sunflower landrace.

Wills, David M., AND Burke, John M.

2006 19.3984 Chloroplast DNA variation confirms a single origin of domesticated sunflower (*Helianthus annuus* L.). *Journal of Heredity*, doi:10.1093/jhered/es1001, 6 pp.

► Data include Havasupai sunflower landrace.

Wilson, Jill L., AND Tkacz, Borys M.

1996 19.3182 Historical perspectives on forest insects and pathogens in the Southwest: Implications for restoration of ponderosa pine and mixed conifer forests. *In:* Covington, Wallace,

and Wagner, Pamela K. (technical coordinators), Conference on adaptive ecosystem restoration and management: restoration of cordilleran conifer landscapes of North America, June 6-8, 1996, Flagstaff, Arizona. *U.S. Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-278*, pp. 26-31. [*NOTE*: Cover title gives conference dates as June 6-8, 1995.]

► See p. 27, note of Kaibab National Forest (Kaibab Plateau) and Grand Canyon National Park.

Wilson, Kevin P.; Shannon, Joseph P.; AND Blinn, Dean W.

1999 19.1874 Effects of suspended sediment on biomass and cell morphology of *Cladophora glomerata* (Chlorophyta) in the Colorado River, Arizona. *Journal of Phycology*, 35(1): 35-41.

Wilson, Kevin P.; Shannon, Joseph P.; Blinn, Dean W.; AND Benenati, Peggy L.

1998 19.4447 The role of suspended sediment on cell morphometry in *Cladophora glomerata* in the Colorado River, USA [ABSTRACT]. *In:* Millie, David F., Kugrens, Paul, and Fritz, Lawrence (eds.), Abstracts of papers scheduled for the 52nd Annual Meeting of the Phycological Society of America at Northern Arizona University; Flagstaff, Arizona, 3-8 August, 1998. *Journal of Phycology*, (June, Supplement): 58-59.

Wimmer, F. E.

1948 19.6332 Vorarbeiten zur Monographie der Campanulaceae-Lobelioideae: II. Trib. Lobelieae. *Naturhistorischen Museums in Wien, Annalen*, 56: 317-374. [In German.]

► See *Lobella cardinalis* L., under which is synonymized *L. graminea* Lam., with distributional note for *L. graminea*, "Auch in Arizona, Grand Canyon (C. et E. Seler n. 5274 (629)!—B.", citing a specimen examined in Botanischer Garten und Botanisches Museum Berlin-Dahlem (ENTIRE NOTE).

Winter, Larry

2001 19.2133 Agave. *Arizona Highways*, 77(11) (November): cover, inside front cover, 12-17.

Wirth, Sharon; Brown, Theresa; AND Beyeler, Walt

1999 19.4071 *Native plant uptake model for radioactive waste disposal areas at the Nevada Test Site.* Albuquerque, New Mexico: IT Corporation, and Sandia National Laboratories, *for* U.S. Department of Energy, 60 pp. + appendices [114 pp. total]. (Contract No. DE-AC-04-94-AL-85000.)

► Regarding "Woodland Communities" (pp. 5, 7), see Figure 3 (p. 8), "Piñon (*Pinus edulis*) dominated Great Basin conifer woodland on Fish Tail Mesa, Kaibab National Forest, Arizona".

With, Kimberly A., AND Morrison, Michael L.

1990 19.1876 Flock formation of two pavids in relation to cyclical seed production in a pinyon-juniper woodland. *The Auk*, 107: 522-532.

Witzeman, J.; Hubbard, J. P.; AND Kaufman, K.

1975 19.1877 The spring migration: Southwest region. *American Birds*, 29: 890-894.

1975 19.1878 The nesting season: Southwest region. *American Birds*, 29: 1014-1018.

1976 19.1879 The nesting season: Southwest region. *American Birds*, 30: 985-990.

1977 19.1880 The fall migration: Southwest region. *American Birds*, 31: 207-211.

1977 19.1881 The nesting season: Southwest region. *American Birds*, 31: 1171-1176.

1978 19.1882 The 1977 autumn migration, August 1-November 30, Southwest region. *American Birds*, 32: 239-243.

1979 19.1883 The autumn migration, August 1-November 20, 1978: Southwest region. *American Birds*, 33: 202-204.

1979 19.1884 The nesting season, June 1-July 31, 1979: Southwest region. *American Birds*, 33: 886-889.

Witzeman, J.; Kaufman, K.; Burge, S.; AND Hubbard, J. P.

1975 19.1885 The winter season: Southwest region. *American Birds*, 29: 724-728.

Wnuk, Christopher, AND Pfefferkorn, Hermann W.

1987 19.1886 A Pennsylvanian-age terrestrial storm deposit: Using plant fossils to characterize the history and process of sediment accumulation. *Journal of Sedimentary Petrology*, 57(2): 212-221.

► See figure 4D, Kaibab Plateau gale-felled tree orientations; as a modern analogue.

Wogan, Kelsey

2014 19.4991 Plant ecology of Grand Canyon. *In:* Black, Bronze (compiler, designer), *Canyon Explorations/Expeditions guide interpretive manual : the Colorado River through Grand Canyon.* Flagstaff, Arizona: Canyon Explorations/Expeditions, pp. 64-85.

► Black is a proprietary publication for the use of Canyon Explorations/Expeditions employees.

Wolf, Joy

1997 19.1887 *Fire history of mixed-conifer forests on the North Rim, Grand Canyon National Park.* Master's thesis, Northern Arizona University, 70 pp.

1997 19.6924 Fire history of mixed conifer forests in northern Arizona [ABSTRACT]. *In:* Ecological Society of America, 1997 Annual Meeting jointly with The Nature Conservancy, 10-14 August 1997, Albuquerque, New Mexico; "Changing Ecosystems: Natural and Human Influences"; Abstracts. *Ecological Society of America Bulletin*, 78(4) (October, Supplement): 332.

► Walhalla Plateau and Basin areas, North Rim.

Wolf, Joy Nystrom, AND Mast, Joy J.

2006 19.2667 Spatial patch patterns and altered forest structure in middle elevation versus upper ecotonal mixed-conifer forests, Grand Canyon National Park, Arizona, USA. *Forest Ecology and Management*, 236(2): 241-250.

Wolf, Theodor

1908 19.3277 *Monographie der Gattung* Potentilla. Stuttgart: E. Schwizerbartsche Verlagsbuchhandlung (E. Nägele), 714 [715] pp., 2 maps, 20 plates. (*Bibliotheca Botanica*, Heft 71.) [In German.]

▶ See *Potentilla biennis* Greene, pp. 400-401, which notes only (p. 401): "Eine nur 10-15 cm hohe, sehr einfache und dem Anschein nach nur einjährige Zwergform erhielt ich von Professor Wooton aus dem Grand Cañon des R. Colorado in Arizona. Sie ist ein Seitenstück zu der *P. supina f. limosa*."

Wong, Debbie

1999 19.1956 *Community analysis of hanging gardens at Zion National Park, Utah, and the Colorado Plateau.* Master's thesis, Northern Arizona University, 95 pp.

▶ Includes notes on Grand Canyon.

Woo, Ben

1973 19.5353 1973 Dan Stuntz Foray. *Spore Prints* (Puget Sound Mycological Society, Bulletin) (Seattle, Washington), (94) (September): 1.

▶ Includes notes of collecting on the Kaibab Plateau, August 18.

Woodall, Greg

2000 19.1999 [Comment on "Let the camelthorn grow" by John Middendorf.] *Boatman's Quarterly Review*, 13(3) (Fall): 7.

Woodburn, Marcia, AND Yokers, Sheila

2002 19.2305 School-to-Work; an innovative program for local students. *Nature Notes* (Grand Canyon National Park), (Summer): 10-11.

▶ Revegetation project.

Woodbury, Angus M.

1947 19.2134 Distribution of pigmy conifers in Utah and northeastern Arizona. *Ecology*, 29(2) (April): 113-126.

Woodbury, Angus M.; Durant, Stephen D.; AND Flowers, Seville

1959 19.1892 Survey of vegetation in the Glen Canyon reservoir basin. *University of Utah, Department of Anthropology, Anthropological Papers*, (36) (Glen Canyon Series, 5), 56 pp.

Woodbury, Angus M.; Flowers, Seville; Lindsay, Delbert W.; Durant, Stephen D.; Dean, Nowlan K.; Grundmann, Albert W.; Crook, James R.; Behle, William H.; Higgins, Harold G.; Smith, Gerald R.; Musser, Guy G.; AND McDonald, Donald B.

1959 19.1893 Ecological studies of the flora and fauna in Glen Canyon. (Charles E. Dibble, ed.) *University of Utah, Department of Anthropology, Anthropological Papers*, (40) (Glen Canyon Series, 7), 226 pp.

► "Glen Canyon Reservoir, Upper Colorado River Basin, Ecological Studies of the Flora and Fauna in Glen Canyon, as a part of the Upper Colorado River Basin Salvage Program, in accordance with the Memoranda of Agreement, 14-10-333-215, 14-10-333-235, 14-10-333-429 between the U.S. National Park Service and the University of Utah".) [Authorship as given on cover. Title-sheet notes: "Articles by Angus M. Woodbury; Seville Flowers, Delbert W. Lindsay; Stephen D. Durrant and Nowlan K. Dean; Albert W. Grundmann and James R. Crook; William H. Behle and Harold G. Higgins; Angus M. Woodbury, Gerald R. Smith, Guy G. Musser, Donald B. McDonald and Seville Flowers" and "Angus M. Woodbury, Biological Editor".]

► Principally regarding the Glen Canyon reservoir area (Lake Powell), Utah-Arizona, but includes the reach of Glen Canyon downstream to the Lees Ferry area, Arizona. Articles pertinent to the Lees Ferry area are cited separately in this bibliography.

Woodruff, Dorde W.

2014 19.4736 A tale of two sileris. *Pediocactus sileri* (Gypsum Cactus) and *Sclerocactus sileri* (House Rock Cactus), two different but often-confused rare cacti. *Sego Lily* (Utah Native Plant Society), 37(3) (May/July): 4-7.

Woods, John O.; Carr, Timothy G.; Price, Peter W.; Stevens, Lawrence E.; AND Cobb, Neil S.

1996 19.1898 Growth of coyote willow and the attack and survival of a mid-rib galling sawfly, *Euura* sp. *Oecologia*, 108: 714-722.

► Stevens' given name misspelled "Laurence".

Woodward, Brian D.; Evangelista, Paul H.; Young, Nicholas E.; Vorster, Anthony G.; West, Amanda M.; Carroll, Sarah L.; Girma, Rebecca K.; Hatcher, Emma Zink; Anderson, Ryan; Vahsen, Megan L.; Vashisht, Amandeep; Mayer, Timothy; Carver, Daniel; AND Jarnevich, Catherine

2018 19.5994 CO-RIP: A riparian vegetation and corridor extent dataset for Colorado River Basin streams and rivers. *ISPRS International Journal of Geo-Information* (International Society for Photogrammetry and Remote Sensing), 7(397), doi:10.3390/ijgi7100397, 19 pp.

Woodward, Susan L., AND Quinn, Joyce A.

2011 19.6370 *Encyclopedia of invasive species : from Africanized honey bees to zebra mussels. Volume 2: Plants.* Santa Barbara (California), Denver (Colorado), and Oxford (England): Greenwood (ABC-CLIO, LLC), pp. i-xxv, 321-764 [765].

► See particularly "Russian Olive", *Eleagnus angustifolia* (pp. 568-572); "Tamarisk", *Tamarix* spp. (pp. 579-585).

Woolley, T.; Sanchez Meador, A. J.; Leonard, A.; AND Stein Foster, V.

2017 19.5866 Using LiDAR-derived datasets of vegetative structural conditions to inform landscape scale forest restoration planning efforts [ABSTRACT]. *In: 14th Biennial Conference of Science and Management for the Colorado Plateau and Southwest Region, September 11-14, 2017, High Country Conference Center, Northern Arizona University, Flagstaff, Arizona.* [No imprint], pp. 180-181.

► North Kaibab Ranger District.

Wooton, Elmer Ottis

1898 19.3607 New plants from New Mexico. II. *Torrey Botanical Club, Bulletin*, 25(6) (June): 304-310.

► See pp. 304-305, *Berberis haematocarpa*; notes (p. 305), "It is *B. pinnata* Torr. Sitgr. Rept. 155 (not Lag.) from near Peach Springs, Ariz., Oct. 24, 1851, in fruit . . . ."

1910 19.3604 The larkspurs of New Mexico. *Torrey Botanical Club, Bulletin*, 37(1) (January): 31-41.

► See pp. 34-35, *Delphinium scaposum* Greene; including collection recorded from "Rim of the Grand Cañon (Grand View), Arizona, July 12, 1892, *Wooton*."

Wright, J. T.

1950 19.1904 *Cooperative Kaibab North livestock-deer forage relationship study.* Arizona Game and Fish Commission, Wildlife Restoration Division.

Y

Yang, Yuqing; Gong, Adu; Wu, Jianjun; Li, Jing; Zeng, Tingting; AND Chen, Yanling

2019 19.6343 Study on the temporal and spatial distribution of forest fires in California, USA, their post-disaster effects and vegetation change characteristics [ABSTRACT]. *American Geophysical Union, 2019 Fall Meeting, San Francisco, CA, 9-13 December 2019*, Abstract NH43C-0954.

► Abstract in imperfect English, including the geographically disjointed note, "Northern California mainly affects the town of paradise in chico, and parts of the grand canyon railway from Williams, Arizona to grand canyon national park are affected. [*sic*]".

Yard, Michael D., AND Blinn, Dean W.

2001 19.2076 LSSF experiment: Phytobenthic colonization in response to snail grazing [ABSTRACT]. *In: Colorado River Ecosystem Science Symposium 2001 : Little America Hotel, Flagstaff, Arizona, April 26 and 27, 2001 : organized by the Grand Canyon Monitoring and Research Center, U.S. Geological Survey. Program and abstracts.* [Flagstaff, Arizona: Grand Canyon Monitoring and Research Center], p. 47. (Glen Canyon Dam Adaptive Management Program.)

Yeager, W. Ward

1939 19.2785 Pinon-juniper forests. *Region III Quarterly* (U.S. National Park Service), 1(1) (July):.

Yoneda, Hiromi, AND Yoneda, Koichiro

1999 19.4428 Hardy jewels, chilly days; visiting the habitats of *Sclerocactus* and *Pediocactus* with a Japanese saying in mind. *Cactus & Co.* (Rassegna di Coltivazione, Collezionismo e Botanica) (Associazione Internazionale/International Society, Bavino, Italy), 3(1) (January): 29-35.

► Southwestern U.S., including Marble Canyon area, Arizona.

Young, Craig E.

1979 19.1916 Tree rings and Kaibab North deer hunting success, 1925-1975. *Arizona-Nevada Academy of Science, Journal*, 14(3): 61-65.

Z

Zahner, Robert

1993 19.4664 The champion trees of Arizona. *The Plant Press* (Arizona Native Plant Society), 17(1/2) (Winter/Spring): 10-13.

► In discussing Arizona species without champions, notes (p. 11) ". . . *Rhamnus betulaefolia* is reported as a tree near the western end of the north rim of the grand [*sic*] Canyon." (ENTIRE NOTE)

Zhang, J. W., AND Marshall, J. D.

1995 19.2135 Variation in carbon isotope discrimination and photosynthetic gas exchange among populations of *Pseudotsuga menziesii* and *Pinus ponderosa* in different environments. *Functional Ecology*, 9(3) (June): 402-412.

► Garden-grown trees derived from populations throughout the west, including "Grand Canyon, AZ".

COLORADO EXPLORING EXPEDITION.
GENERAL REPORT – PLATE VII
J.J.YOUNG, from a sketch by H.B.MOLLHAUSEN.
Lith. of Sarony, Major & Knapp, 449 Broadway, N.Y.
CAMP – COLORADO PLATEAU

The RAVEN'S PERCH MEDIA colophon recalls this bird's habit of gathering and caching objects. Derived from original artwork by Balduin Möllhausen, it is a fine detail from the lithograph delineated by J. J. Young that is "General Report Plate VII" in Joseph C. Ives' *Report Upon the Colorado River of the West, Explored in 1857 and 1858* (Washington, 1861), which depicts a wintry camp just south of the Grand Canyon. The scene was sketched and described by Möllhausen on April 10, 1858, while he was perched in a nearby tree. He noted (in translation here), "a couple of ravens [*paar Raben*] croaked morosely on the bare branches of a dried-up fir tree as they waited impatiently for our departure, so that they could scout around the abandoned campsite for fat morsels." (Möllhausen, *Reisen in die Felsengebirge Nord-Amerikas bis zum Hoch-Plateau von Neu-Mexico, unternommen als Mitglied der im Auftrage der Regierung der Vereinigten Staaten ausgesandten Colorado-Expedition*. Hermann Costenoble, Leipzig, 1861, Vol. 2, p. 83.) Möllhausen's original watercolor painting is now in the Amon Carter Museum of American Art (Fort Worth, Texas; https://www.cartermuseum.org/collection/character-high-table-lands-1988146).

Raven's Perch Media was created in 2010, but Möllhausen's remarks on this very scene were not discovered until the translation was made for *Möllhausen's Grand Canyon*, another Raven's Perch Media production (2022).

BACK COVER PHOTO: Common Raven, *Corvus corax* Linnaeus 1758, at Grand Canyon
(National Park Service, Grand Canyon National Park)

RAVEN'S PERCH MEDIA

https://ravensperch.org